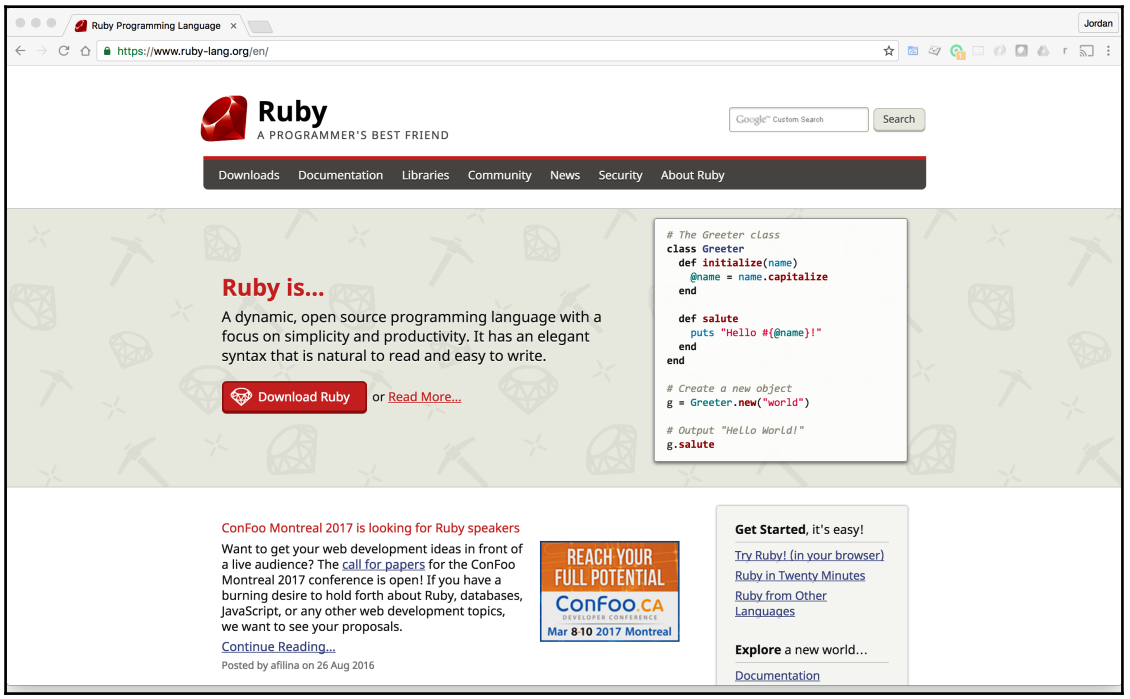
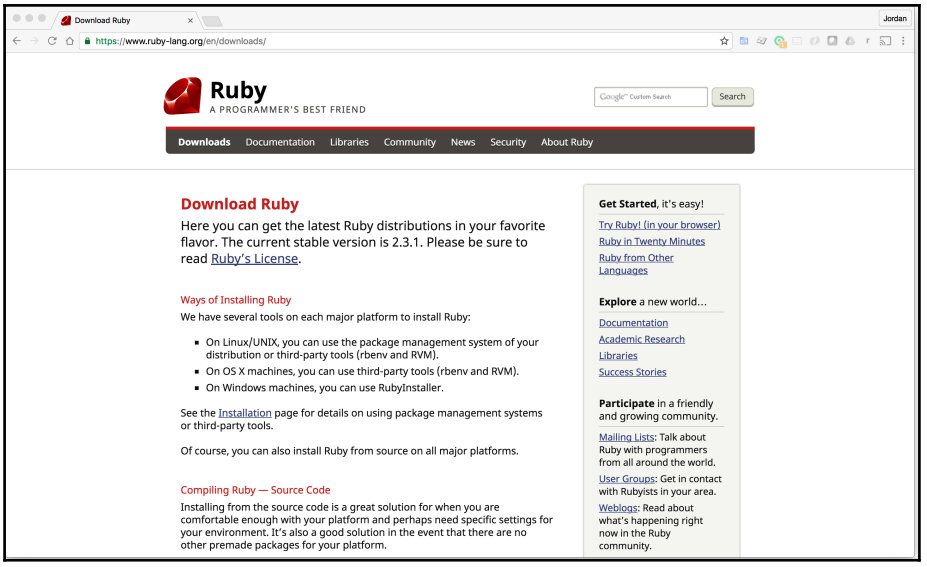
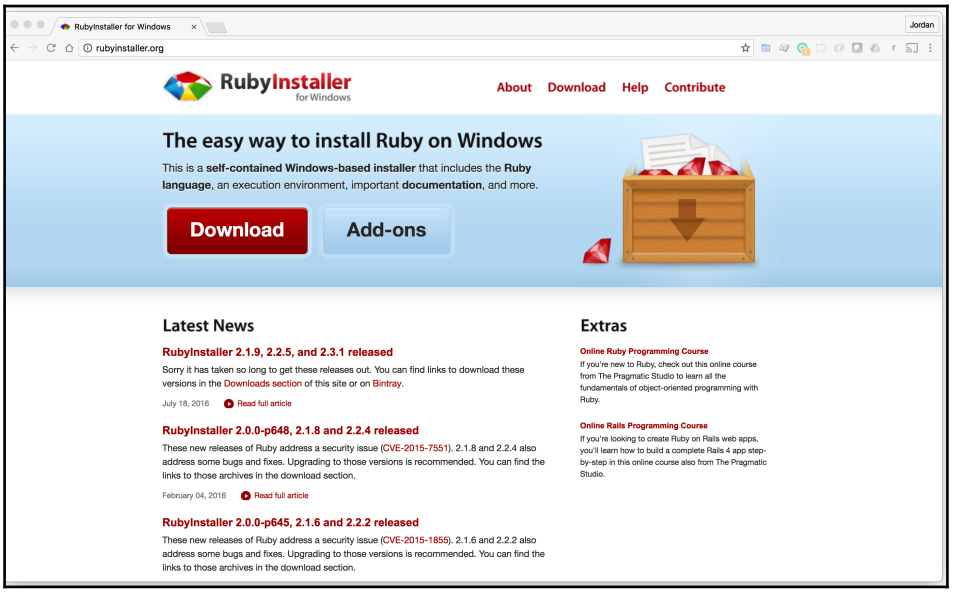
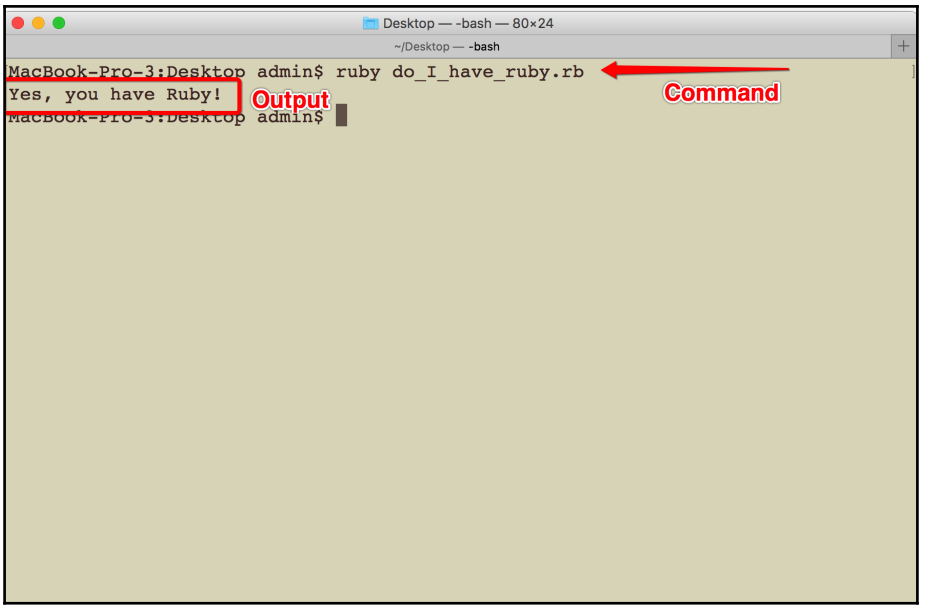
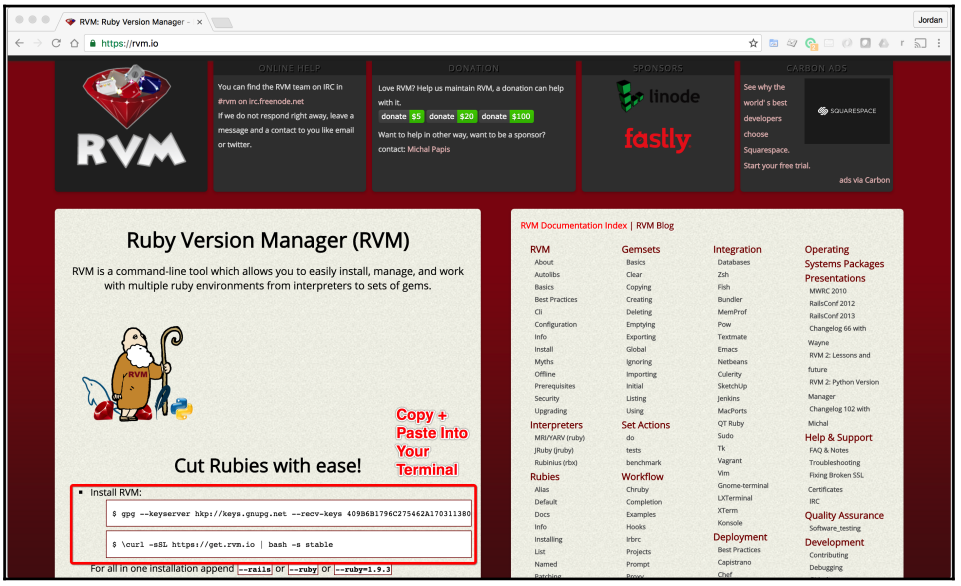
Chapter 1: Introduction to the Ruby Programming Language

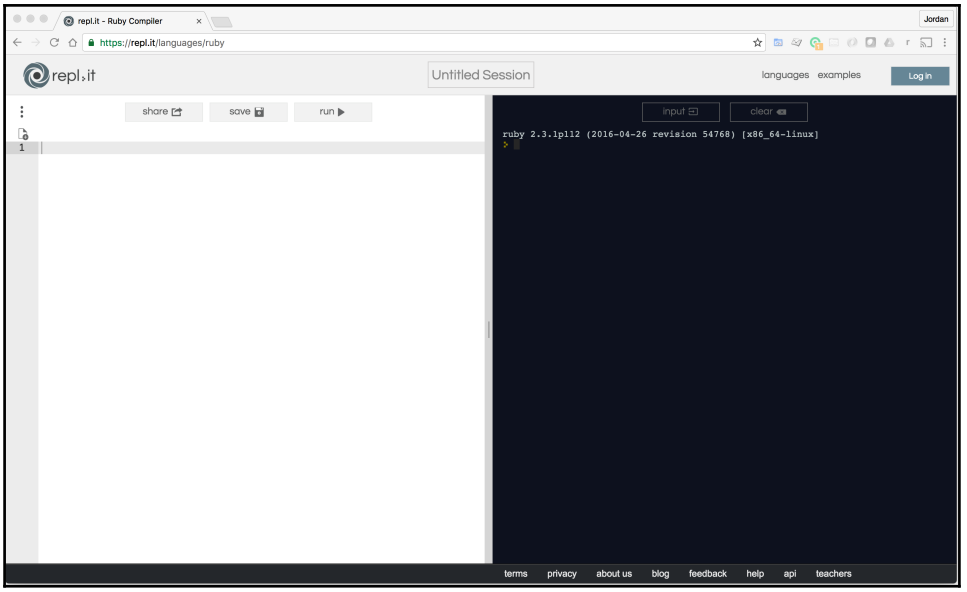


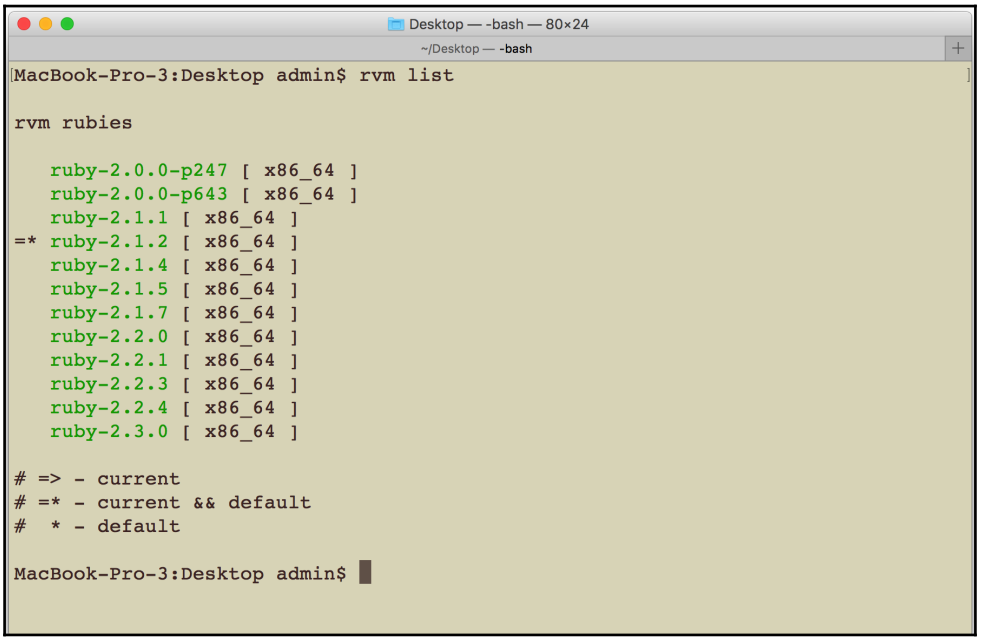

Download Ruby
Jordan
https://www.ruby-lang.org/en/downloads/
Ruby
A PROGRAMMER'S BEST FRIEND
Search
Downloads Documentation Libraries Community News Security About Ruby
Download Ruby
Here you can get the latest Ruby distributions in your favorite flavor. The current stable version is 2.3.1. Please be sure to read Ruby's License.
Ways of Installing Ruby
We have several tools on each major platform to install Ruby:
On Linux/UNIX, you can use the package management system of your distribution or third-party tools (rbenv and RVM).
On OS X machines, you can use third-party tools (rbenv and RVM).
On Windows machines, you can use RubyInstaller.
See the Installation page for details on using package management systems or third-party tools.
Of course, you can also install Ruby from source on all major platforms.
Compiling Ruby — Source Code
Installing from the source code is a great solution for when you are comfortable enough with your platform and perhaps need specific settings for your environment. It's also a good solution in the event that there are no other premade packages for your platform.
Get Started, it's easy!
Try Ruby! (in your browser)
Ruby in Twenty Minutes
Ruby from Other Languages
Explore a new world...
Documentation
Academic Research
Libraries
Success Stories
Participate in a friendly and growing community.
Mailing Lists: Talk about Ruby with programmers from all around the world.
User Groups: Get in contact with Rubyists in your area.
Weblogs: Read about what's happening right now in the Ruby community.

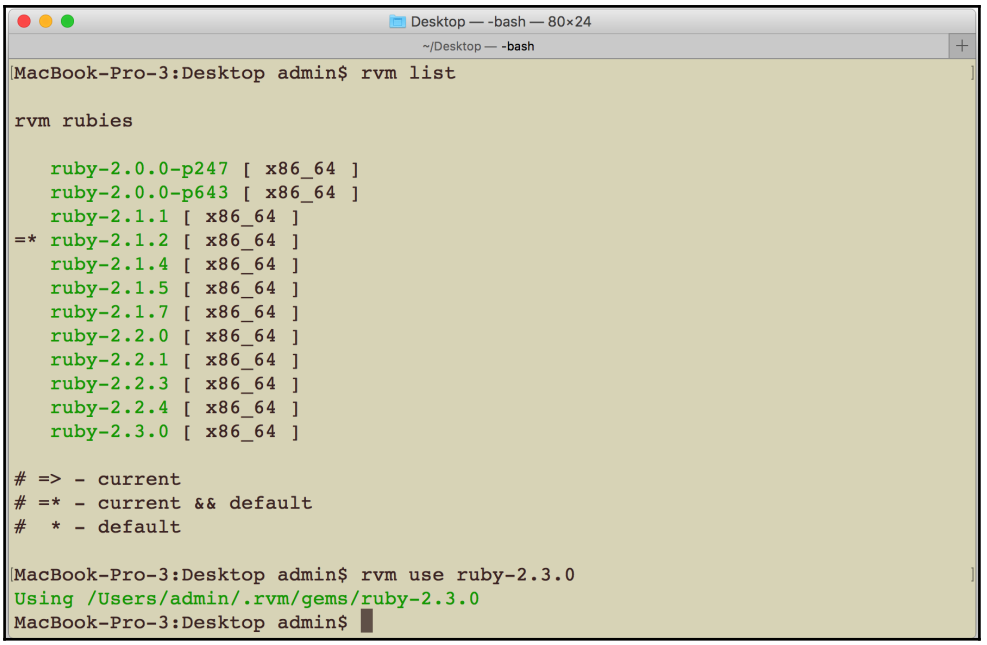

RubyInstaller for Windows
Jordan
rubyinstaller.org
RubyInstaller for Windows
About Download Help Contribute
The easy way to install Ruby on Windows
This is a self-contained Windows-based installer that includes the Ruby language, an execution environment, important documentation, and more.
Download
Add-ons
Latest News
RubyInstaller 2.1.9, 2.2.5, and 2.3.1 released
Sorry it has taken so long to get these releases out. You can find links to download these versions in the Downloads section of this site or on Bintray.
July 18, 2016 Read full article
RubyInstaller 2.0.0-p648, 2.1.8 and 2.2.4 released
These new releases of Ruby address a security issue (CVE-2015-7551). 2.1.8 and 2.2.4 also address some bugs and fixes. Upgrading to those versions is recommended. You can find the links to those archives in the download section.
February 04, 2016 Read full article
RubyInstaller 2.0.0-p645, 2.1.6 and 2.2.2 released
These new releases of Ruby address a security issue (CVE-2015-1855). 2.1.6 and 2.2.2 also address some bugs and fixes. Upgrading to those versions is recommended. You can find the links to those archives in the download section.
Extras
Online Ruby Programming Course
If you're new to Ruby, check out this online course from The Pragmatic Studio to learn all the fundamentals of object-oriented programming with Ruby.
Online Rails Programming Course
If you're looking to create Ruby on Rails web apps, you'll learn how to build a complete Rails 4 app step-by-step in this online course also from The Pragmatic Studio.


Desktop — -bash — 80×24
~/Desktop — -bash
MacBook-Pro-3:Desktop admin$ ruby do_I_have_ruby.rb
Yes, you have Ruby!
MacBook-Pro-3:Desktop admin$
Output
Command

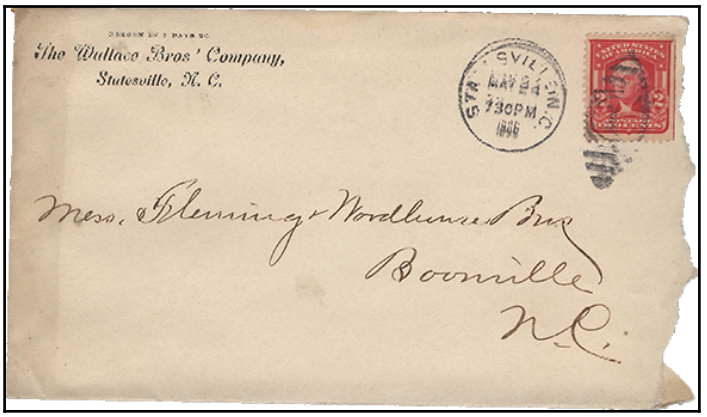

RVM: Ruby Version Manager
https://rvm.io
Jordan
RVM
ONLINE HELP
You can find the RVM team on IRC in #rvm on irc.freenode.net
If we do not respond right away, leave a message and a contact to you like email or twitter.
DONATION
Love RVM? Help us maintain RVM, a donation can help with it.
donate $5 donate $20 donate $100
Want to help in other way, want to be a sponsor?
contact: Michal Papis
SPONSORS
linode
fastly
CARBON ADS
See why the world's best developers choose Squarespace.
Start your free trial.
SQUARESPACE
ads via Carbon
Ruby Version Manager (RVM)
RVM is a command-line tool which allows you to easily install, manage, and work with multiple ruby environments from interpreters to sets of gems.
Cut Rubies with ease!
Copy + Paste Into Your Terminal
Install RVM:
$ gpg --keyserver hkp://keys.gnupg.net --recv-keys 409B6B1796C275462A1703113804BB82D39DC0E3
$ \curl -sSL https://get.rvm.io | bash -s stable
For all in one installation append --rails or --ruby or --ruby=1.9.3
RVM Documentation Index | RVM Blog
RVM
About
Autolibs
Basics
Best Practices
CI
Configuration
Info
Install
Myths
Offline
Prerequisites
Security
Upgrading
Interpreters
MRI/YARV (ruby)
JRuby (jruby)
Rubinius (rbx)
Rubies
Alias
Default
Docs
Info
Installing
List
Named
Gemsets
Basics
Clear
Copying
Creating
Deleting
Emptying
Exporting
Global
Ignoring
Importing
Initial
Listing
Using
Set Actions
do
tests
benchmark
Workflow
Chruby
Completion
Examples
Hooks
Irbrc
Projects
Prompt
Integration
Databases
Zsh
Fish
Bundler
MemProf
Pow
Textmate
Emacs
Netbeans
Culerity
SketchUp
Jenkins
MacPorts
QT Ruby
Sudo
Tk
Vagrant
Vim
Gnome-terminal
LXTerminal
XTerm
Konsole
Deployment
Best Practices
Capistrano
Operating Systems Packages
Presentations
MWRC 2010
RailsConf 2012
RailsConf 2013
Changelog 66 with Wayne
RVM 2: Lessons and future
RVM 2: Python Version Manager
Changelog 102 with Michal
Help & Support
FAQ & Notes
Troubleshooting
Fixing Broken SSL Certificates
IRC
Quality Assurance
Software_testing
Development
Contributing
Debugging

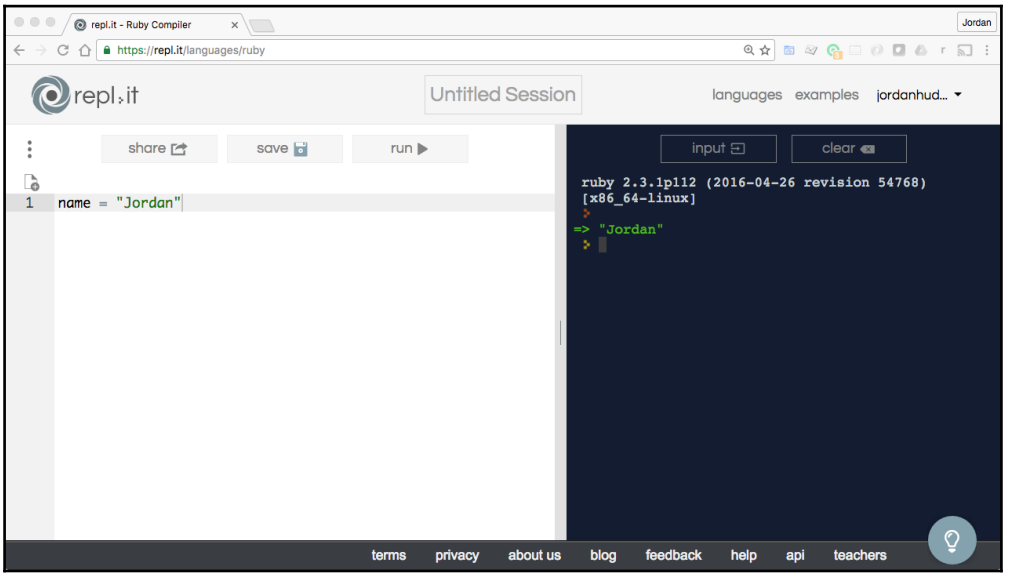

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Untitled Session
languages examples
Log in
share
save
run
input
clear
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
terms privacy about us blog feedback help api teachers

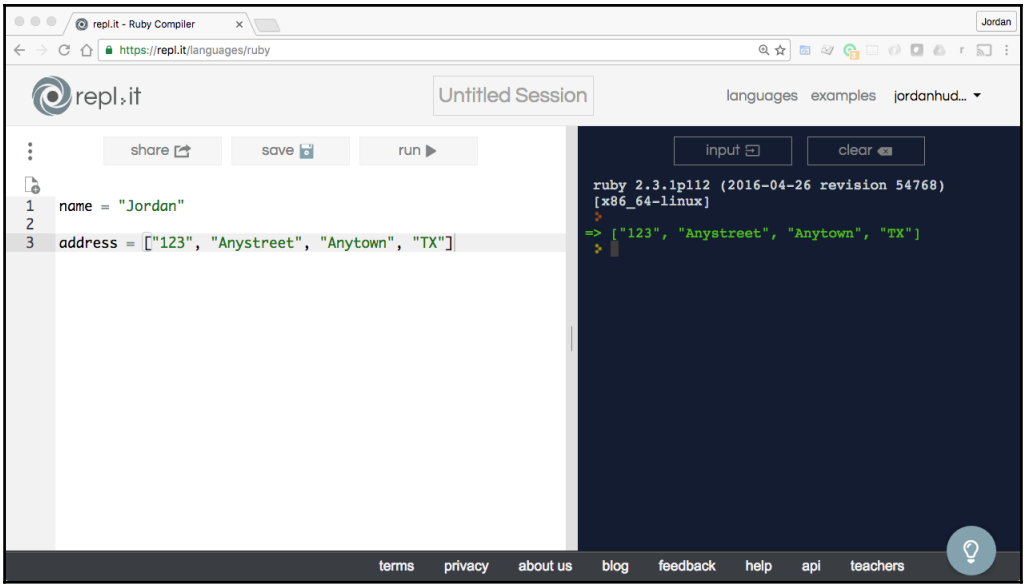

Desktop — -bash — 80×24
~/Desktop — -bash
MacBook-Pro-3:Desktop admin$ rvm list
rvm rubies
ruby-2.0.0-p247 [x86_64]
ruby-2.0.0-p643 [x86_64]
ruby-2.1.1 [x86_64]
=* ruby-2.1.2 [x86_64]
ruby-2.1.4 [x86_64]
ruby-2.1.5 [x86_64]
ruby-2.1.7 [x86_64]
ruby-2.2.0 [x86_64]
ruby-2.2.1 [x86_64]
ruby-2.2.3 [x86_64]
ruby-2.2.4 [x86_64]
ruby-2.3.0 [x86_64]
=> - current
=* - current && default
* - default
MacBook-Pro-3:Desktop admin$

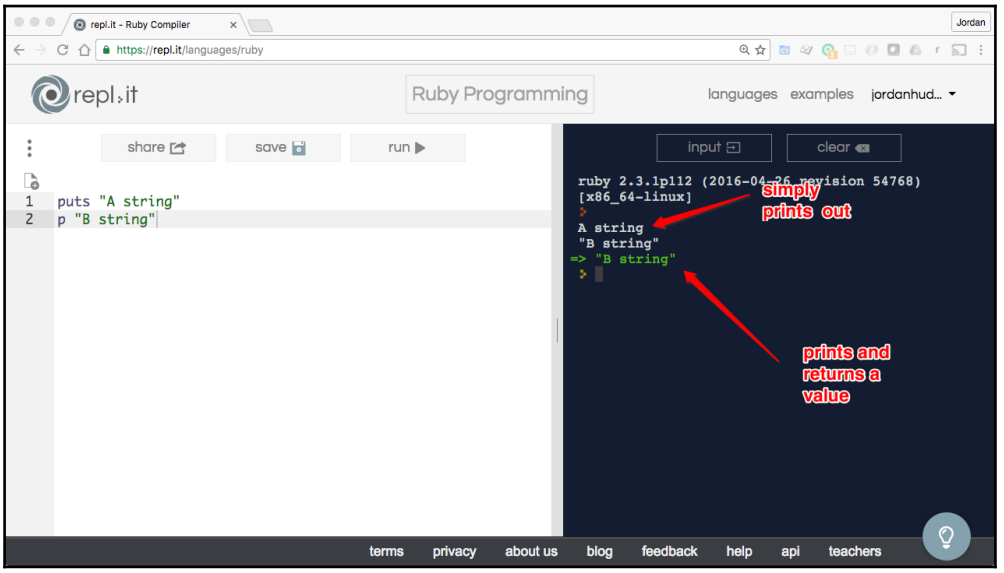

Desktop — -bash — 80×24
~/Desktop — -bash
MacBook-Pro-3:Desktop admin$ rvm list
rvm rubies
ruby-2.0.0-p247 [x86_64]
ruby-2.0.0-p643 [x86_64]
ruby-2.1.1 [x86_64]
=* ruby-2.1.2 [x86_64]
ruby-2.1.4 [x86_64]
ruby-2.1.5 [x86_64]
ruby-2.1.7 [x86_64]
ruby-2.2.0 [x86_64]
ruby-2.2.1 [x86_64]
ruby-2.2.3 [x86_64]
ruby-2.2.4 [x86_64]
ruby-2.3.0 [x86_64]
=> - current
=* - current && default
* - default
MacBook-Pro-3:Desktop admin$ rvm use ruby-2.3.0
Using /Users/admin/.rvm/gems/ruby-2.3.0
MacBook-Pro-3:Desktop admin$

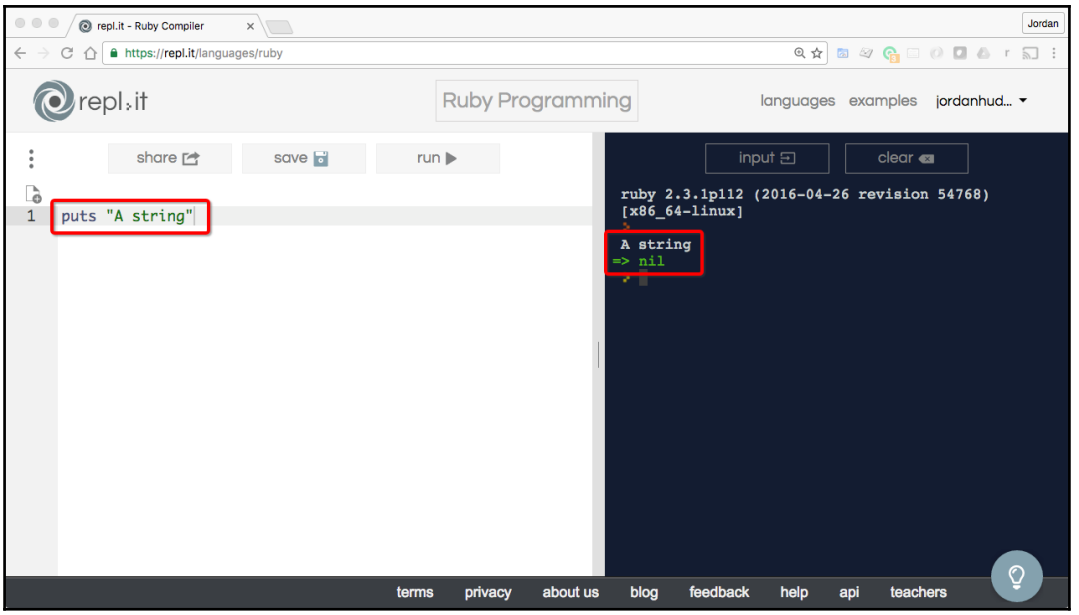
Chapter 2: Ruby Variables

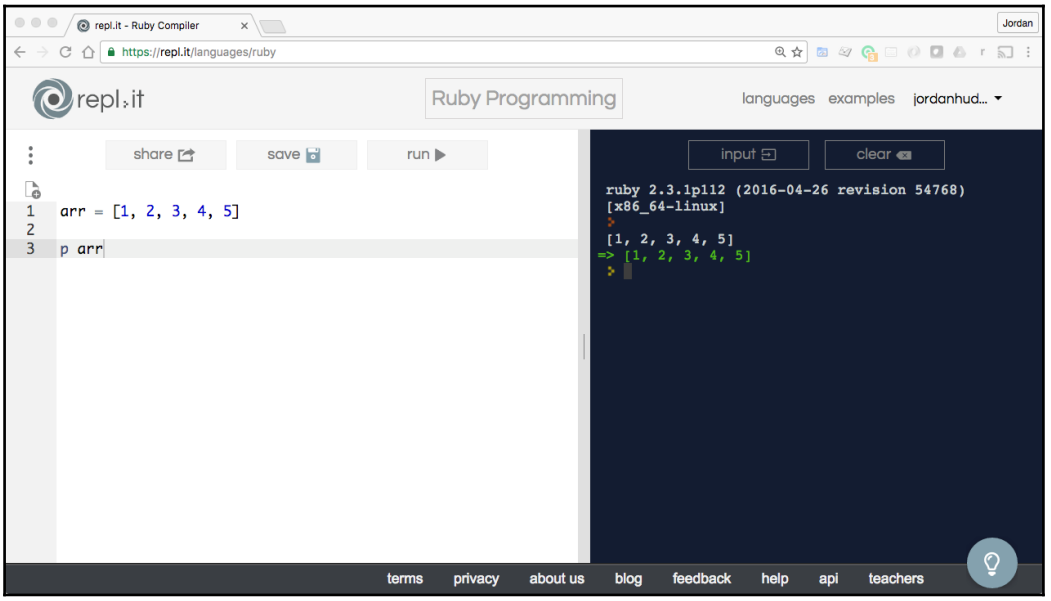


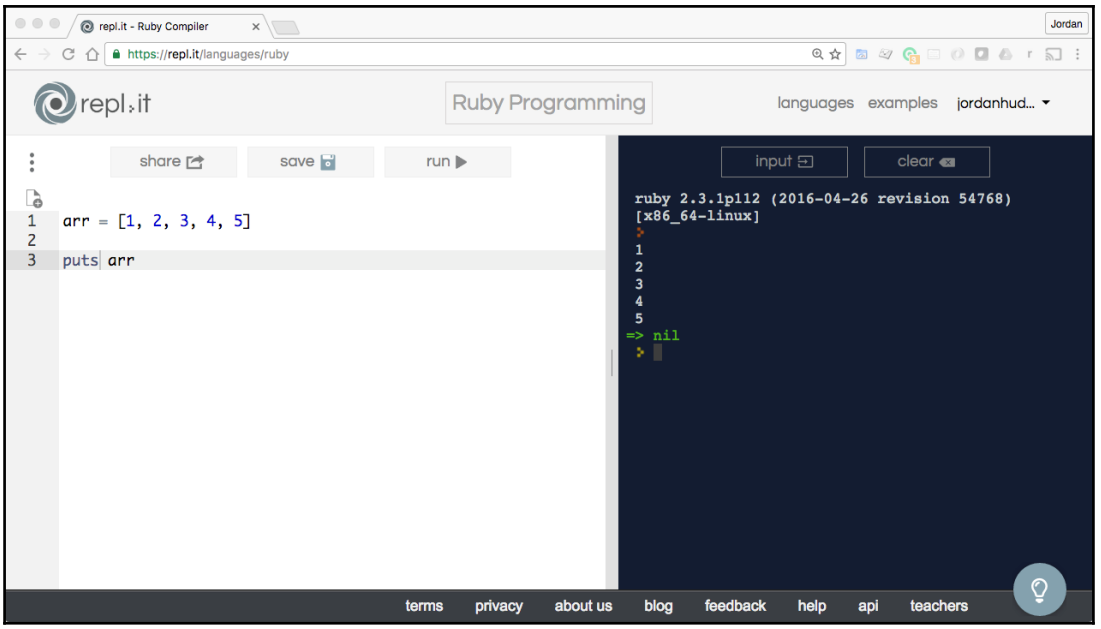


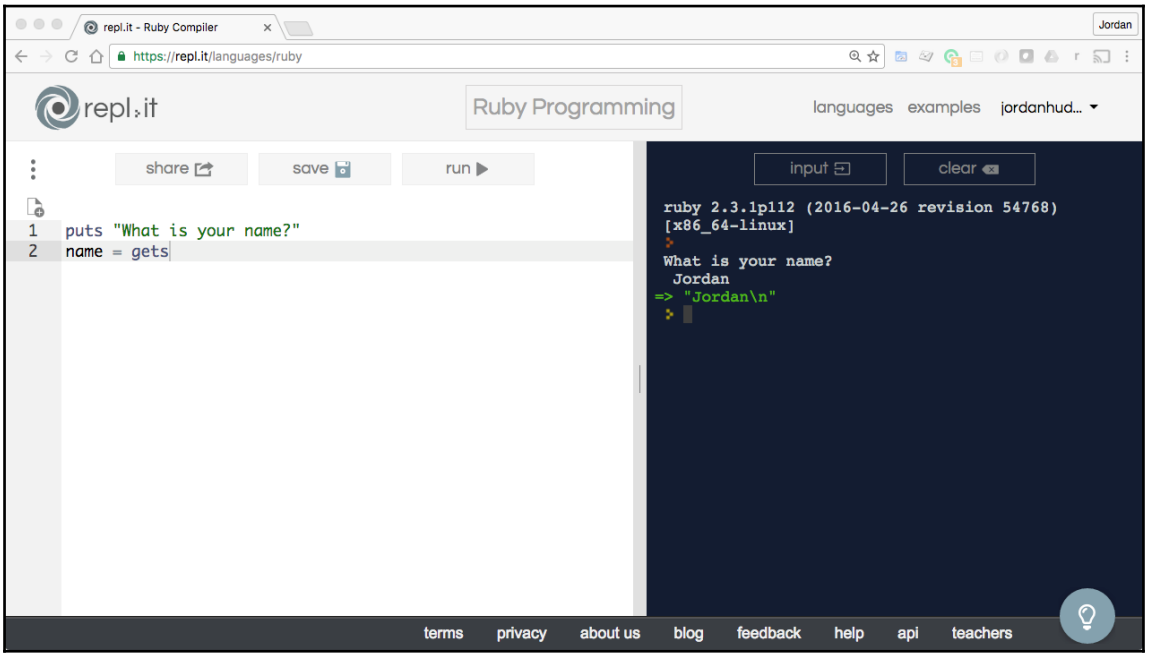

repl.it - Ruby Compiler
https://repl.it/languages/ruby
Jordan
repl.it
Untitled Session
languages examples jordanhud...
share save run
input clear
1 name = "Jordan"
2
3 address = ["123", "Anystreet", "Anytown", "TX"]
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> ["123", "Anystreet", "Anytown", "TX"]
terms privacy about us blog feedback help api teachers

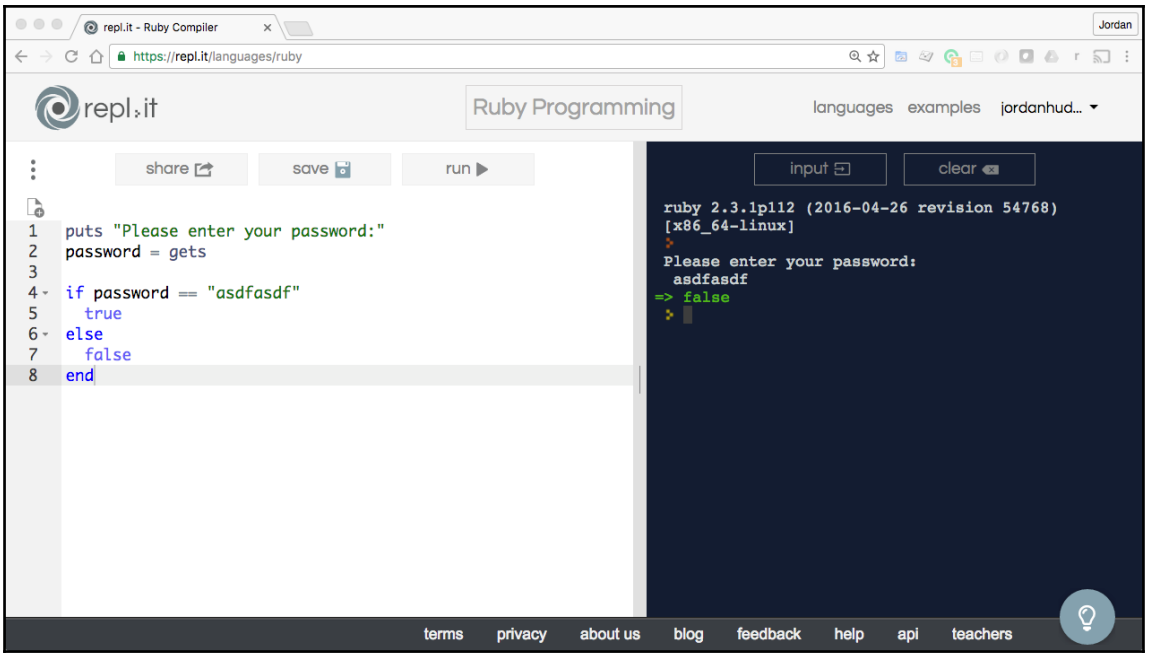

repl.it - Ruby Compiler
https://repl.it/languages/ruby
Jordan
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 puts "A string"
2 p "B string"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
A string
"B string"
=> "B string"
simply prints out
prints and returns a value
terms privacy about us blog feedback help api teachers

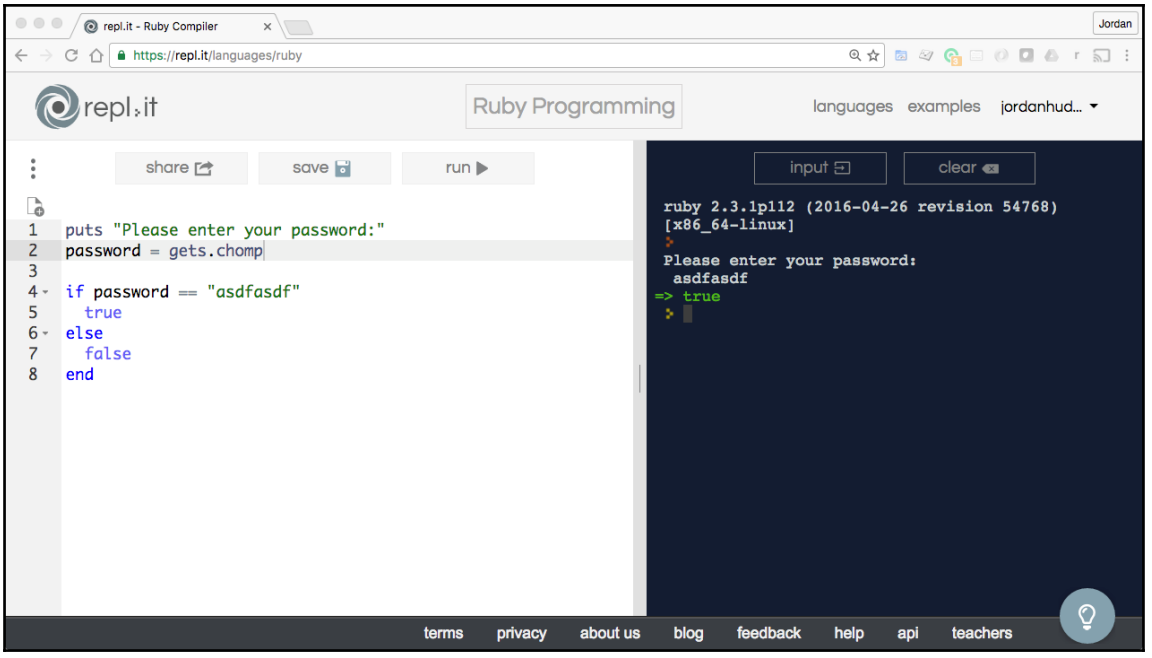

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 puts "A string"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
A string
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 arr = [1, 2, 3, 4, 5]
2
3 p arr
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
[1, 2, 3, 4, 5]
=> [1, 2, 3, 4, 5]
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 arr = [1, 2, 3, 4, 5]
2
3 puts arr
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
1
2
3
4
5
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

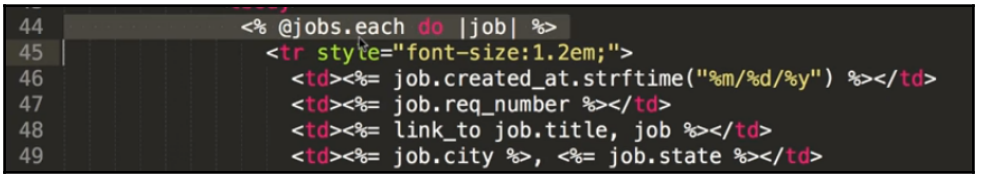

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 puts "What is your name?"
2 name = gets
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
What is your name?
Jordan
=> "Jordan\n"
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 puts "Please enter your password:"
2 password = gets
3
4 if password == "asdfasdf"
5 true
6 else
7 false
8 end
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Please enter your password:
asdfasdf
=> false
terms
privacy
about us
blog
feedback
help
api
teachers

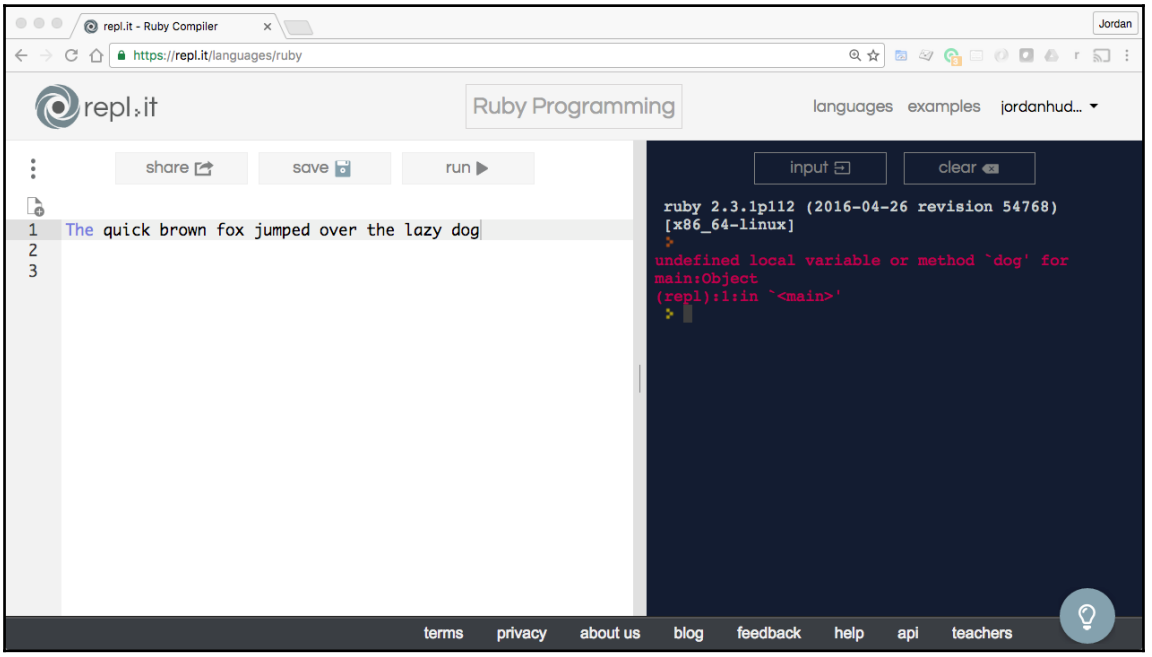

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 puts "Please enter your password:"
2 password = gets.chomp
3
4 if password == "asdfasdf"
5 true
6 else
7 false
8 end
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Please enter your password:
asdfasdf
=> true
terms
privacy
about us
blog
feedback
help
api
teachers

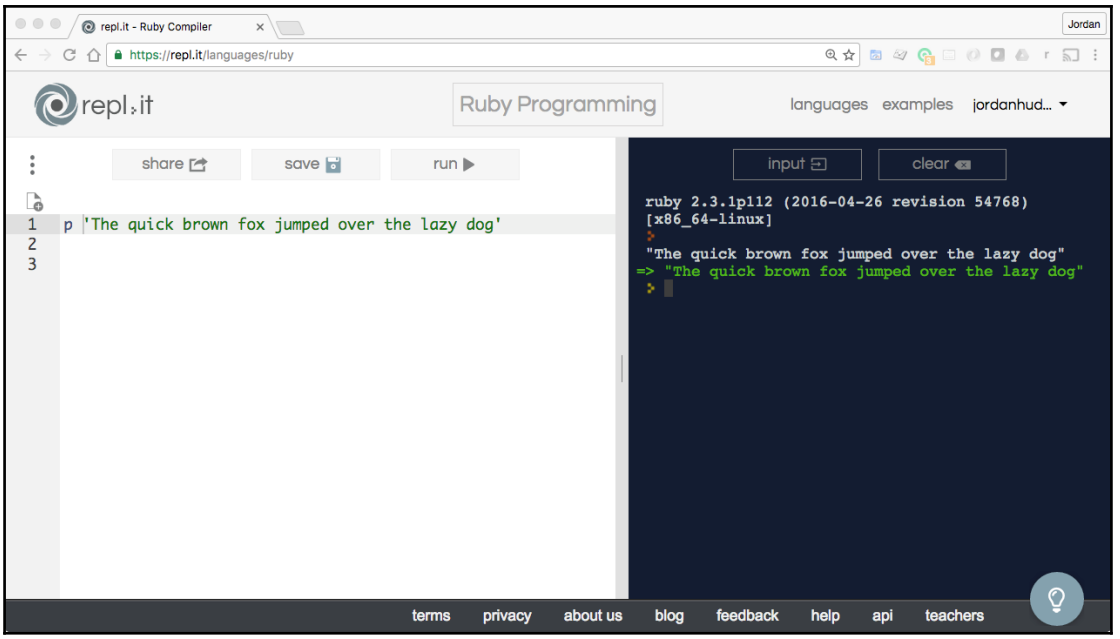
```
MacBook-Pro:edutechional-ruby admin$ ruby variable_types.rb
variable_types.rb:6:in `<main>': undefined local variable or method `x' for main:Object (NameError)
MacBook-Pro:edutechional-ruby admin$
```

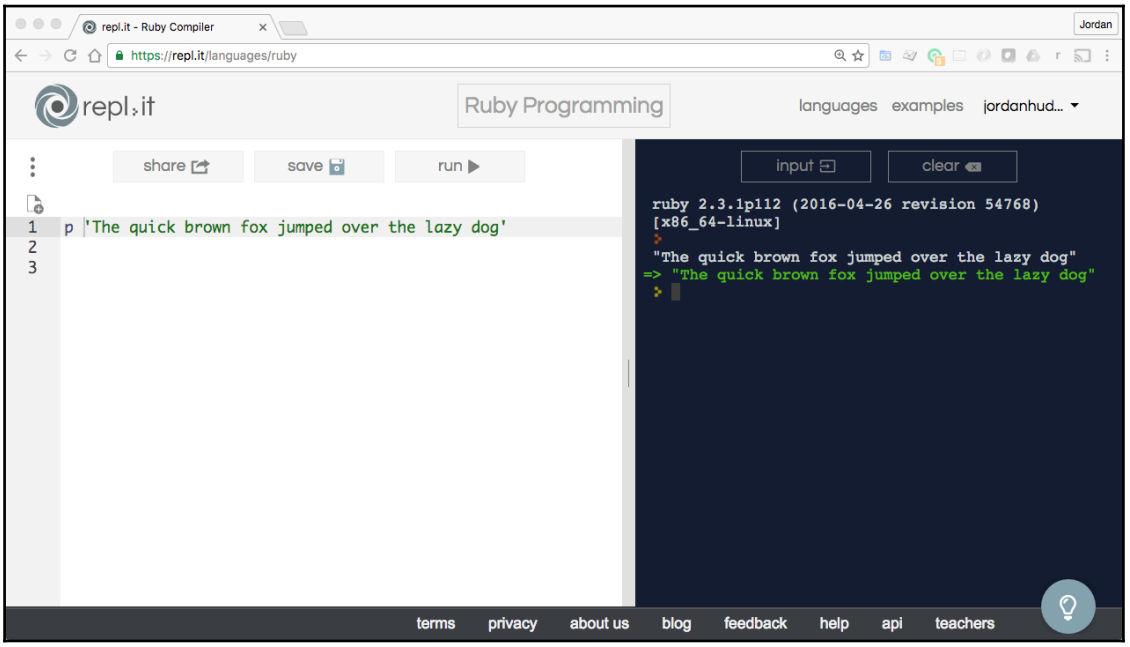
>

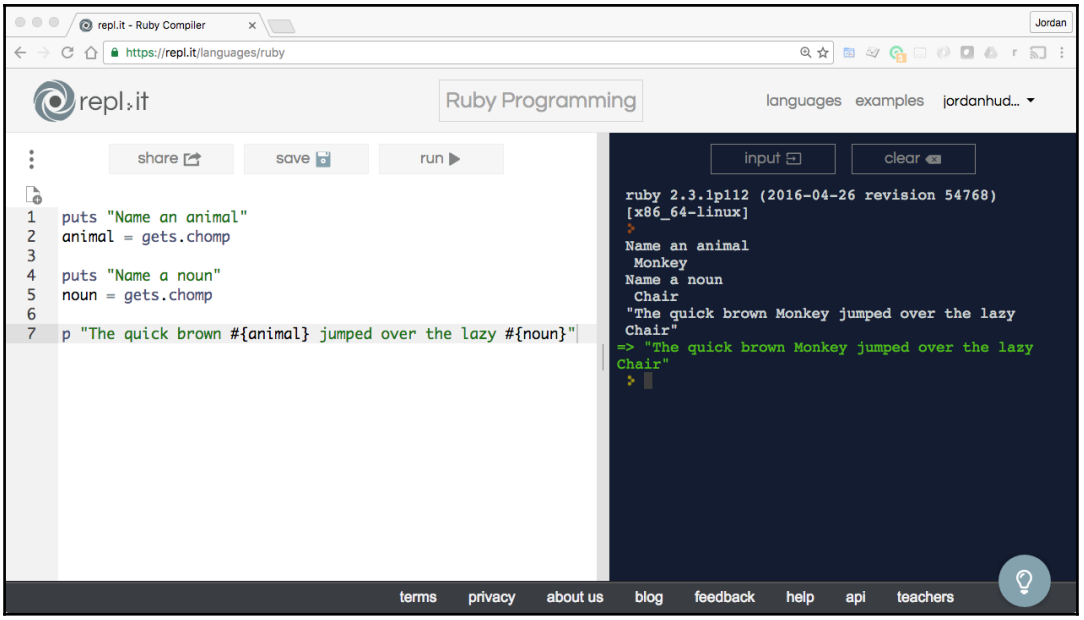


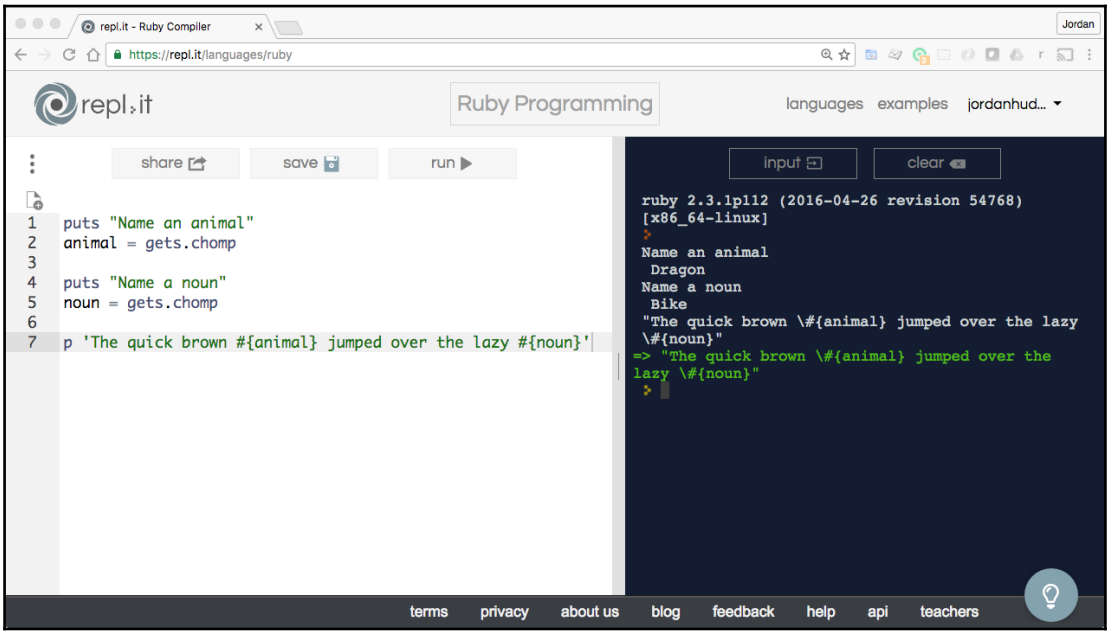
Chapter 3: Ruby Strings

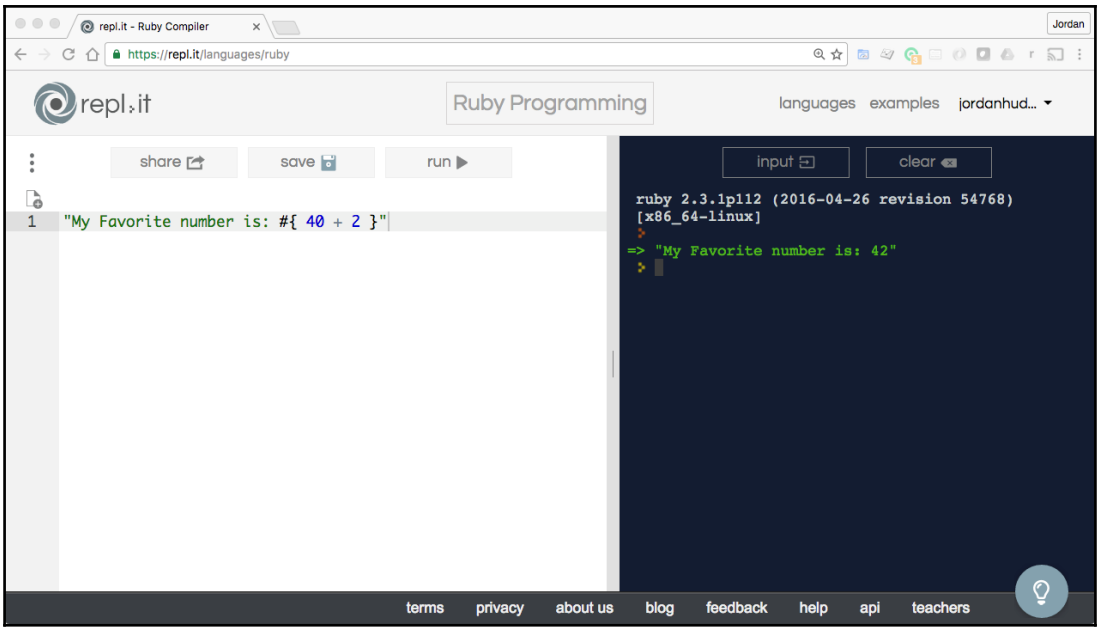


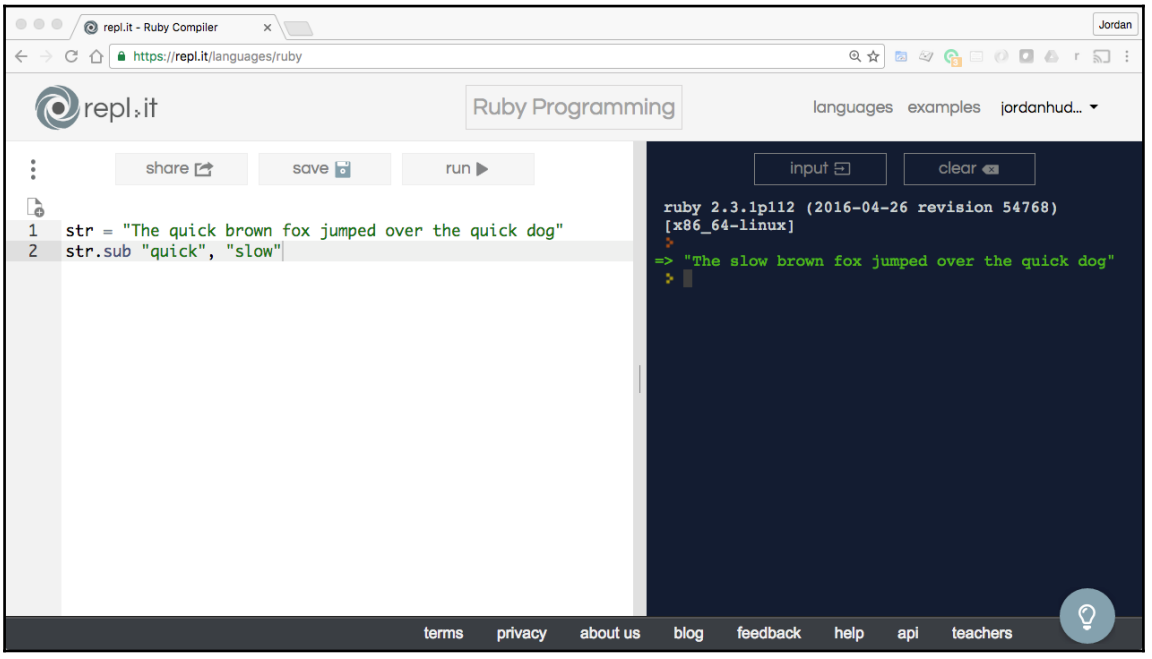

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 p 'The quick brown fox jumped over the lazy dog'
2
3
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
> "The quick brown fox jumped over the lazy dog"
=> "The quick brown fox jumped over the lazy dog"
>
terms privacy about us blog feedback help api teachers

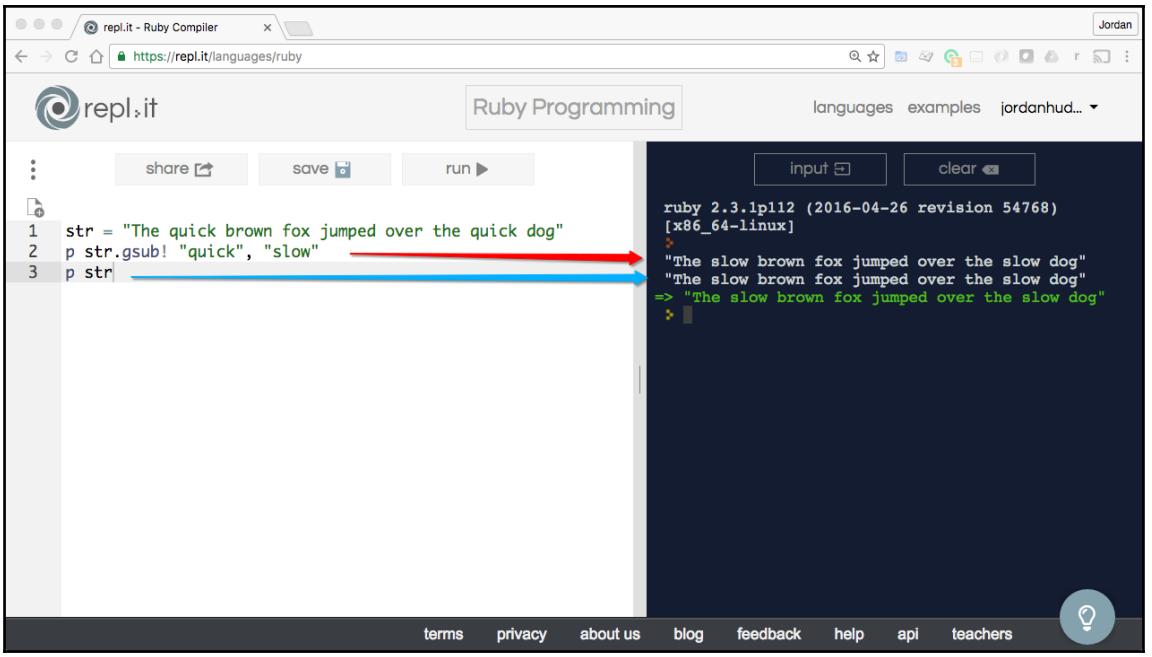

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 p 'The quick brown fox jumped over the lazy dog'
2
3
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
> "The quick brown fox jumped over the lazy dog"
=> "The quick brown fox jumped over the lazy dog"
>
terms privacy about us blog feedback help api teachers

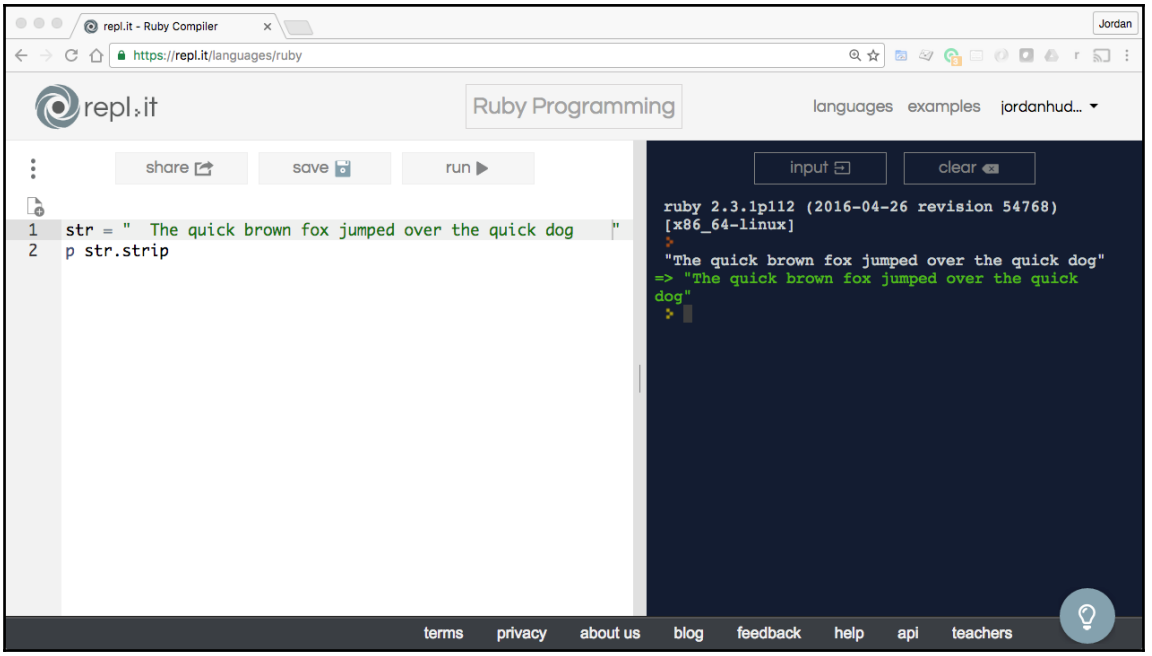

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 puts "Name an animal"
2 animal = gets.chomp
3
4 puts "Name a noun"
5 noun = gets.chomp
6
7 p "The quick brown #{animal} jumped over the lazy #{noun}"
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
Name an animal
Monkey
Name a noun
Chair
"The quick brown Monkey jumped over the lazy Chair"
=> "The quick brown Monkey jumped over the lazy Chair"
terms privacy about us blog feedback help api teachers

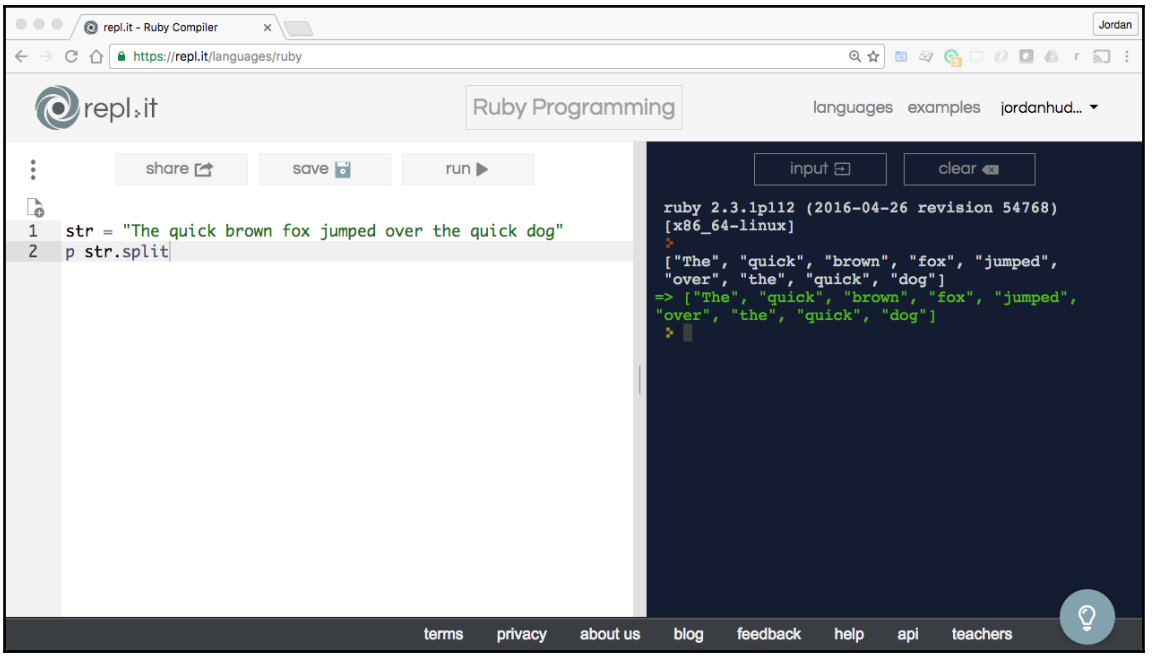

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 puts "Name an animal"
2 animal = gets.chomp
3
4 puts "Name a noun"
5 noun = gets.chomp
6
7 p 'The quick brown #{animal} jumped over the lazy #{noun}'
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
Name an animal
Dragon
Name a noun
Bike
"The quick brown \#{animal} jumped over the lazy \#{noun}"
=> "The quick brown \#{animal} jumped over the lazy \#{noun}"
terms privacy about us blog feedback help api teachers

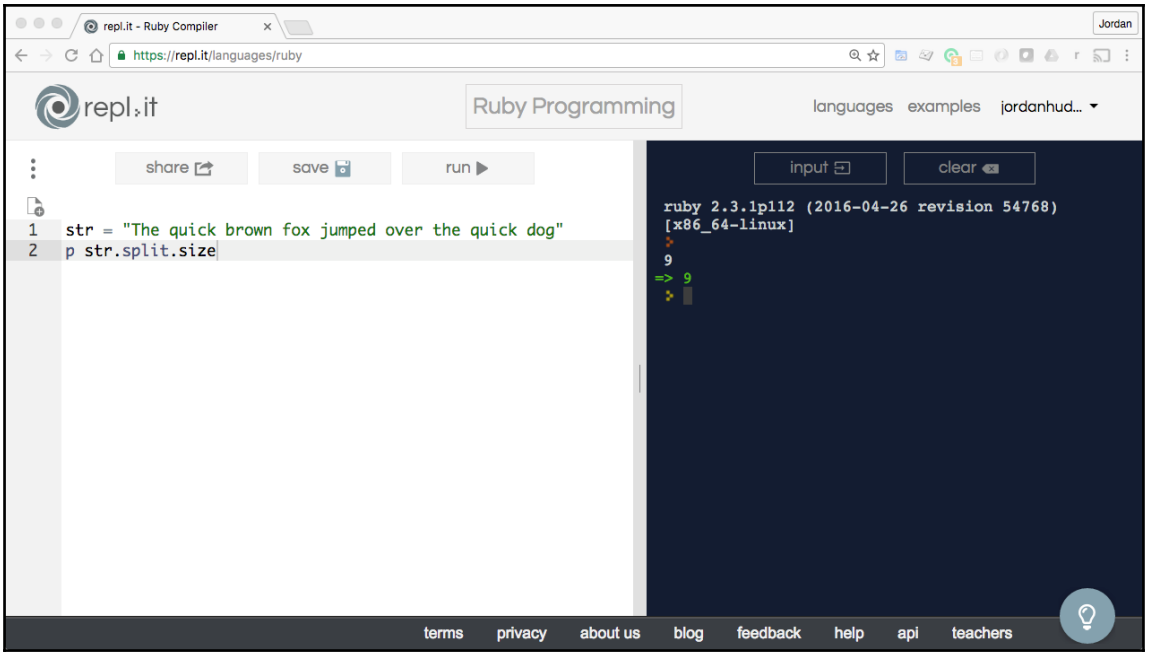

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 "My Favorite number is: #{ 40 + 2 }"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> "My Favorite number is: 42"
terms
privacy
about us
blog
feedback
help
api
teachers

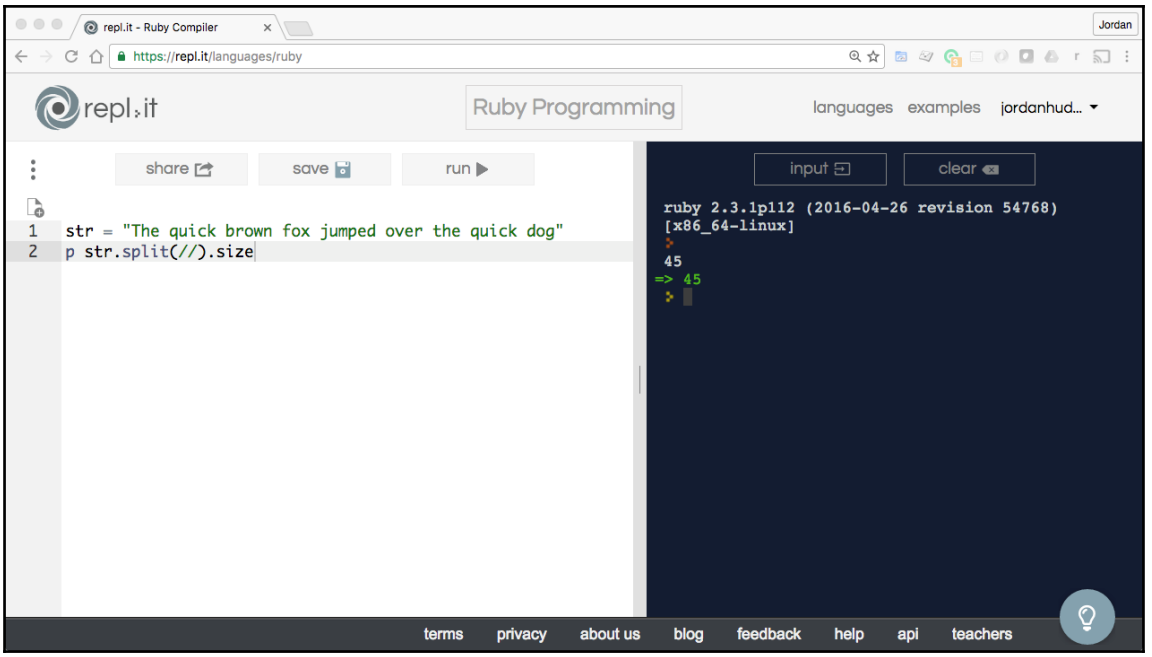

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = "The quick brown fox jumped over the quick dog"
2 str.sub "quick", "slow"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> "The slow brown fox jumped over the quick dog"
terms
privacy
about us
blog
feedback
help
api
teachers

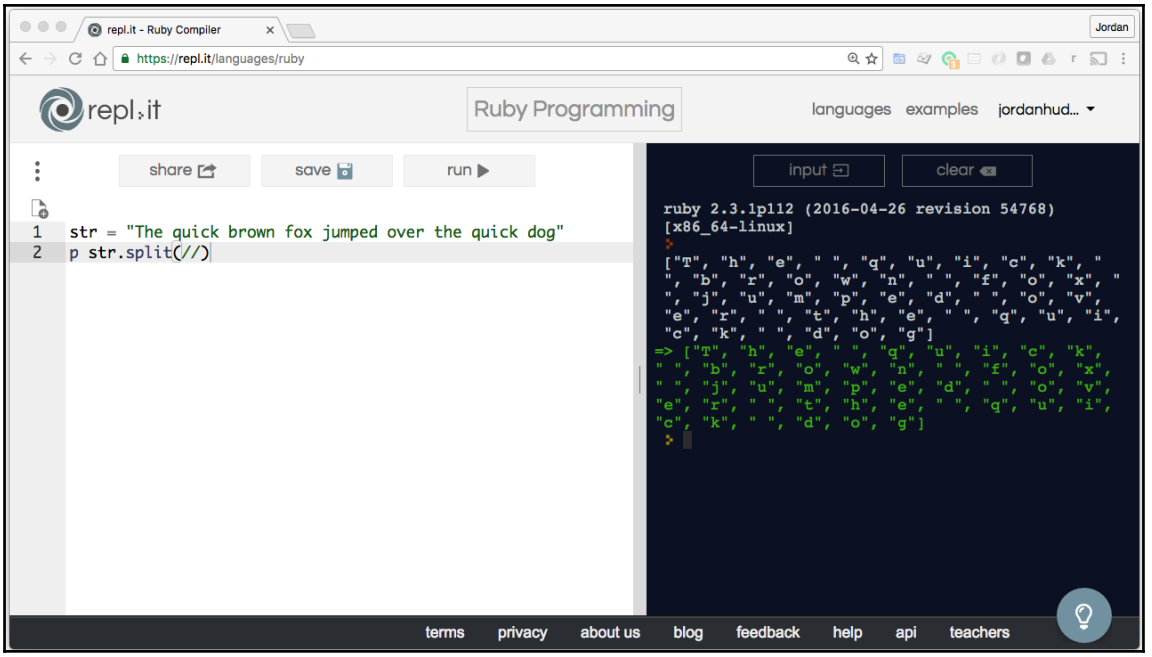

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = "The quick brown fox jumped over the quick dog"
2 p str.gsub! "quick", "slow"
3 p str
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"The slow brown fox jumped over the slow dog"
"The slow brown fox jumped over the slow dog"
=> "The slow brown fox jumped over the slow dog"
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = " The quick brown fox jumped over the quick dog   "
2 p str.strip
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"The quick brown fox jumped over the quick dog"
=> "The quick brown fox jumped over the quick
dog"
terms
privacy
about us
blog
feedback
help
api
teachers

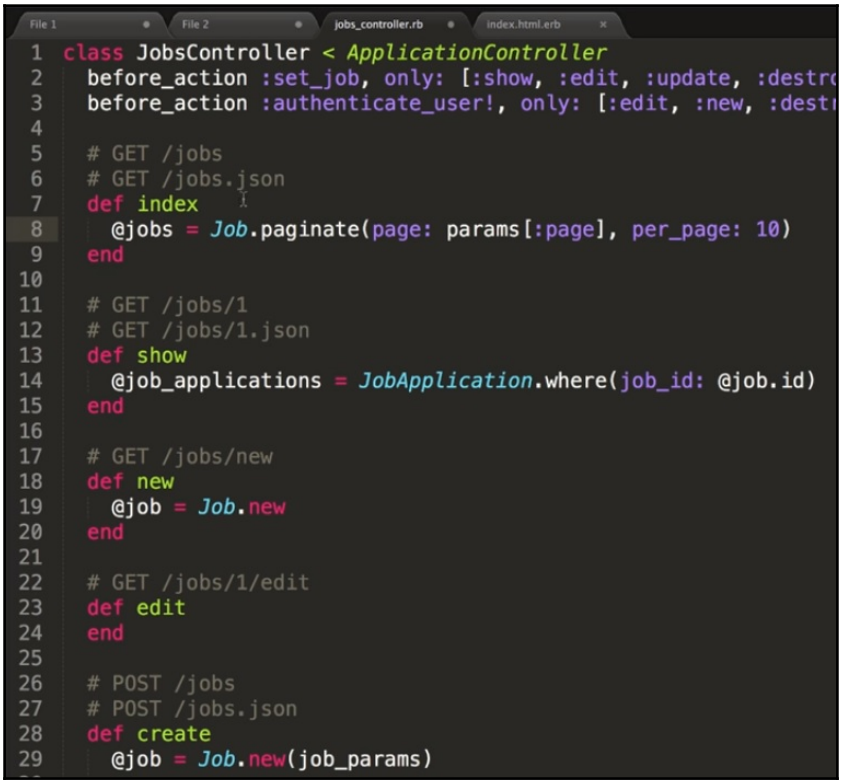

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = "The quick brown fox jumped over the quick dog"
2 p str.split
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
["The", "quick", "brown", "fox", "jumped", "over", "the", "quick", "dog"]
=> ["The", "quick", "brown", "fox", "jumped", "over", "the", "quick", "dog"]
terms
privacy
about us
blog
feedback
help
api
teachers

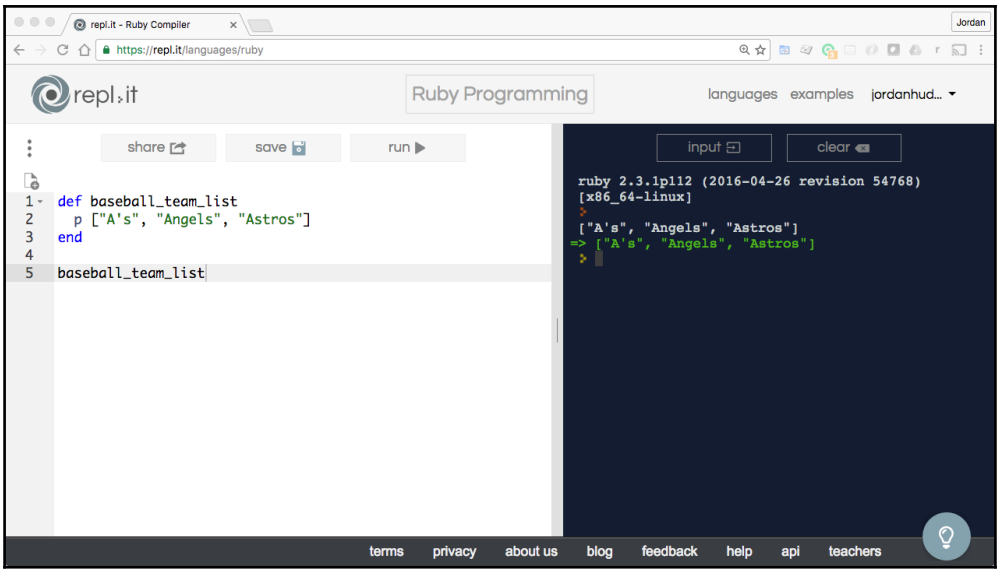

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = "The quick brown fox jumped over the quick dog"
2 p str.split.size
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
9
=> 9
terms
privacy
about us
blog
feedback
help
api
teachers

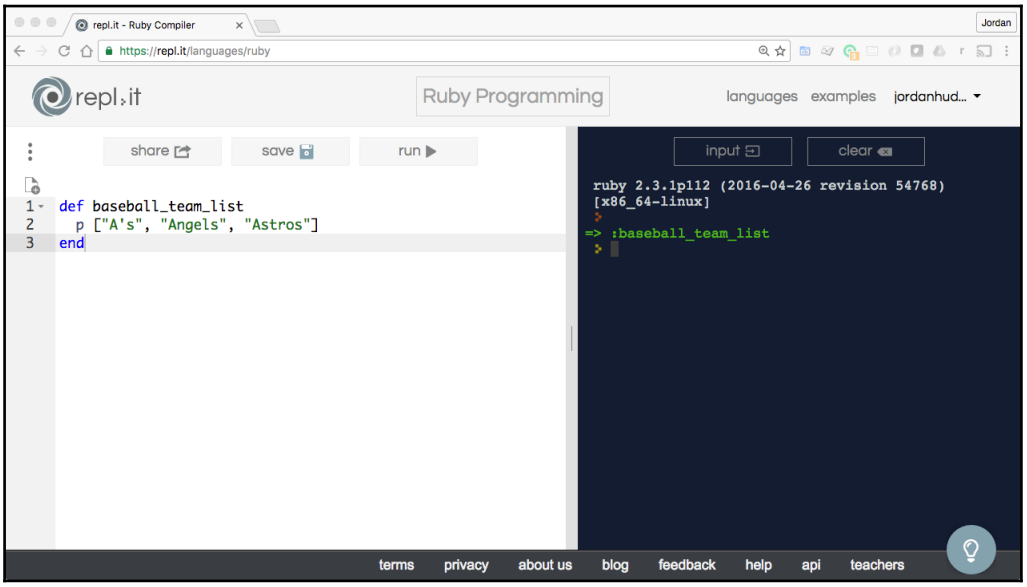

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = "The quick brown fox jumped over the quick dog"
2 p str.split(//).size
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
45
=> 45
terms
privacy
about us
blog
feedback
help
api
teachers

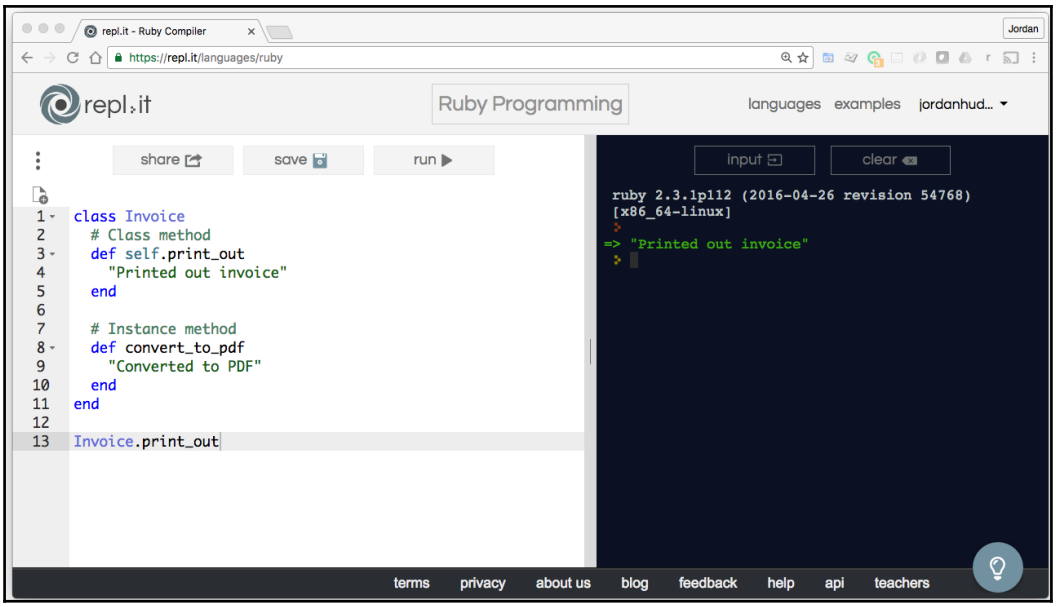

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 str = "The quick brown fox jumped over the quick dog"
2 p str.split(//)
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
["T", "h", "e", " ", "q", "u", "i", "c", "k", " ", "b", "r", "o", "w", "n", " ", "f", "o", "x", " ", "j", "u", "m", "p", "e", "d", " ", "o", "v", "e", "r", " ", "t", "h", "e", " ", "q", "u", "i", "c", "k", " ", "d", "o", "g"]
=> ["T", "h", "e", " ", "q", "u", "i", "c", "k", " ", "b", "r", "o", "w", "n", " ", "f", "o", "x", " ", "j", "u", "m", "p", "e", "d", " ", "o", "v", "e", "r", " ", "t", "h", "e", " ", "q", "u", "i", "c", "k", " ", "d", "o", "g"]
terms
privacy
about us
blog
feedback
help
api
teachers

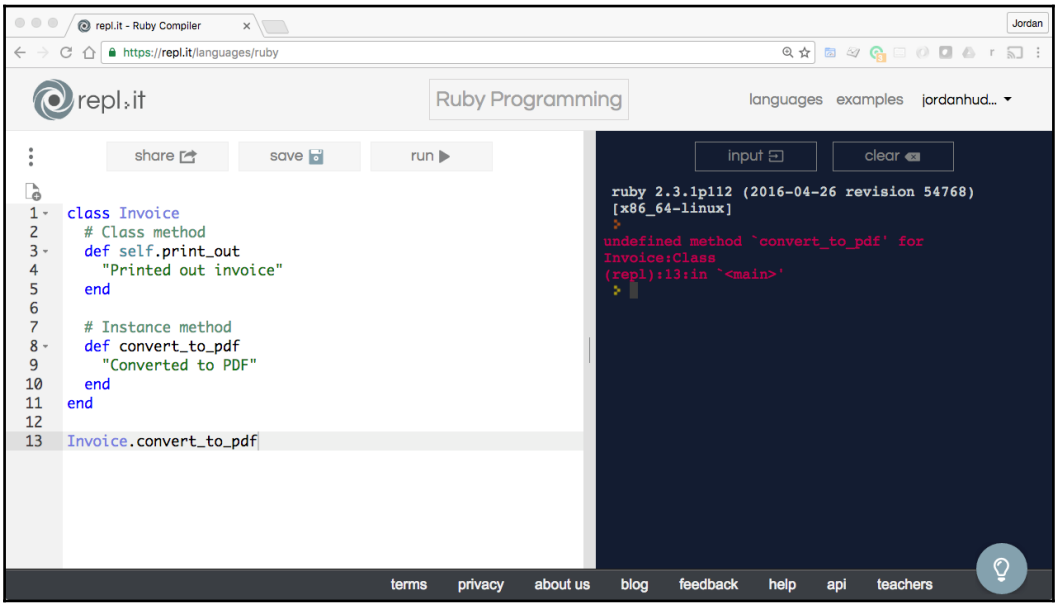
Chapter 5: Ruby Methods

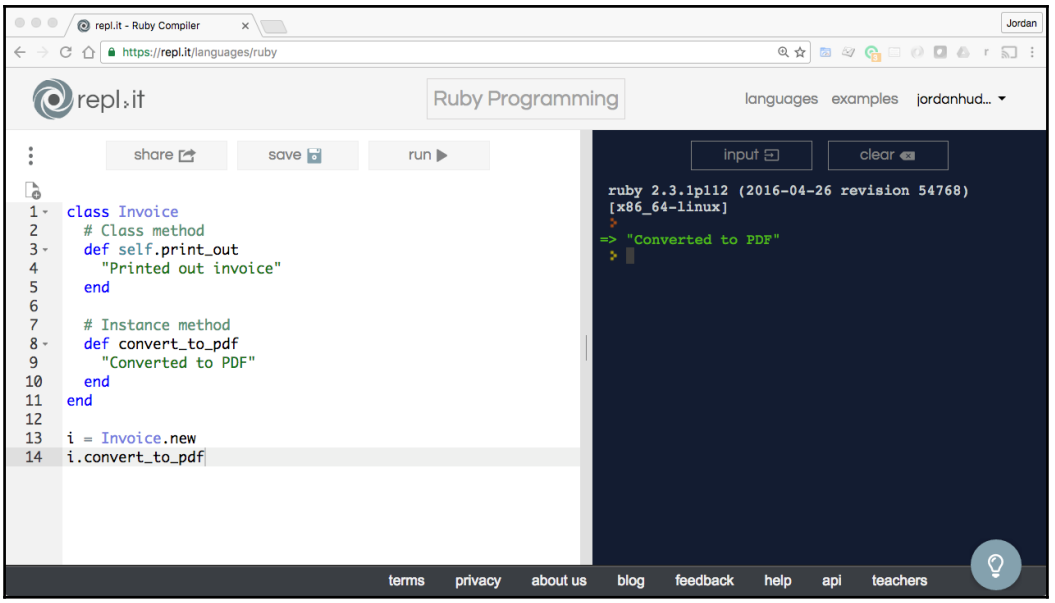


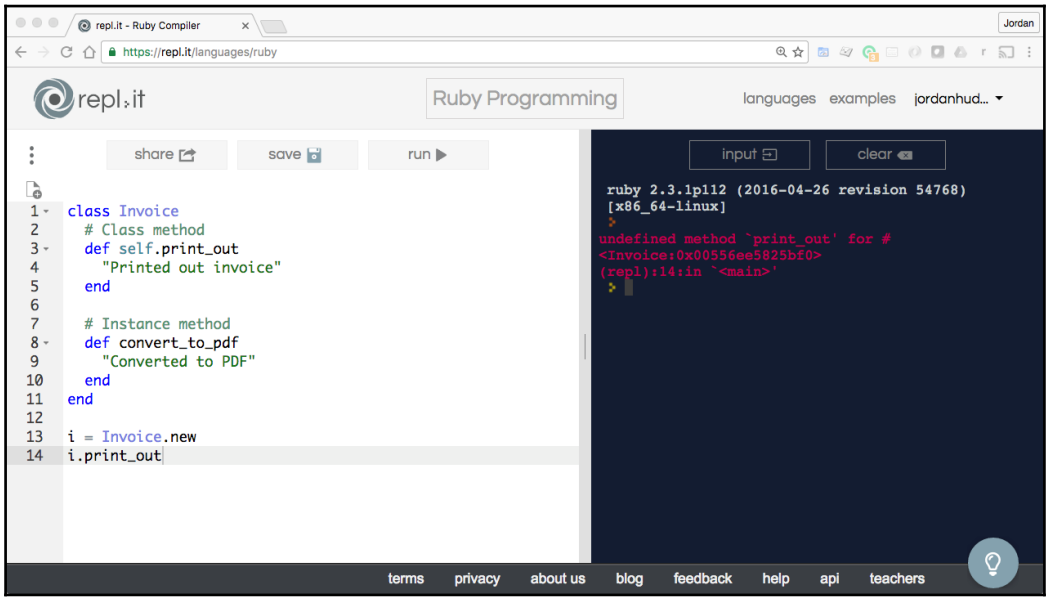

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def baseball_team_list
p ["A's", "Angels", "Astros"]
end
baseball_team_list
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
["A's", "Angels", "Astros"]
=> ["A's", "Angels", "Astros"]
terms
privacy
about us
blog
feedback
help
api
teachers

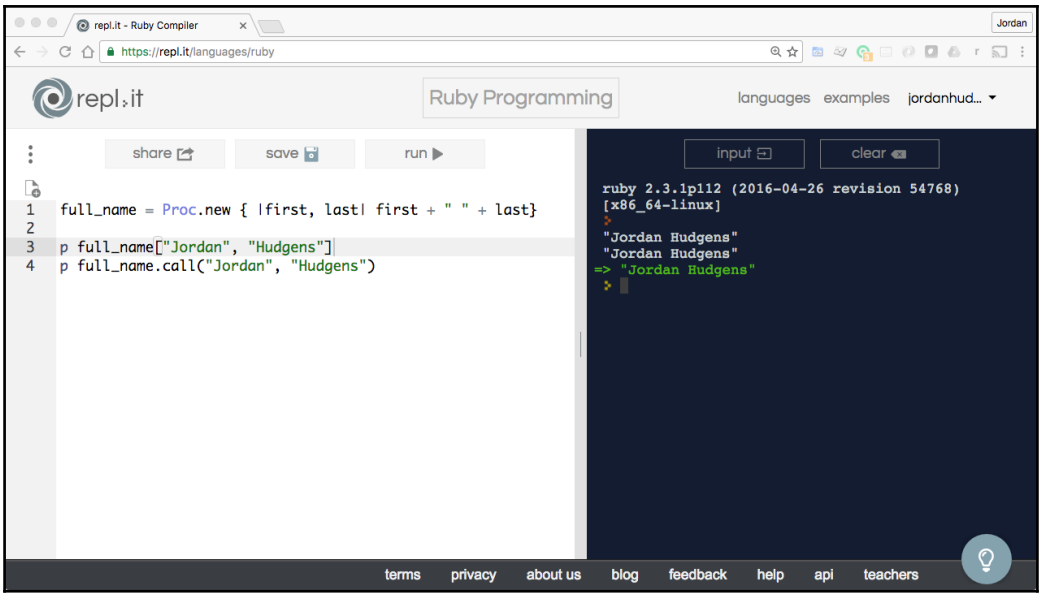

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def baseball_team_list
p ["A's", "Angels", "Astros"]
end
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> :baseball_team_list
terms
privacy
about us
blog
feedback
help
api
teachers

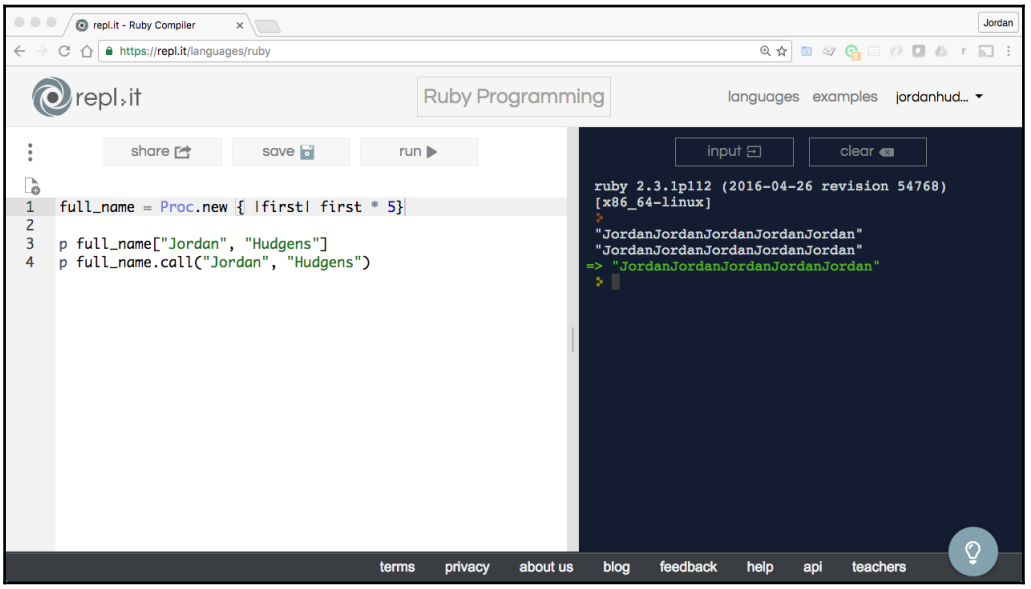

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
class Invoice
Class method
def self.print_out
"Printed out invoice"
end
Instance method
def convert_to_pdf
"Converted to PDF"
end
end
Invoice.print_out
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> "Printed out invoice"
terms
privacy
about us
blog
feedback
help
api
teachers

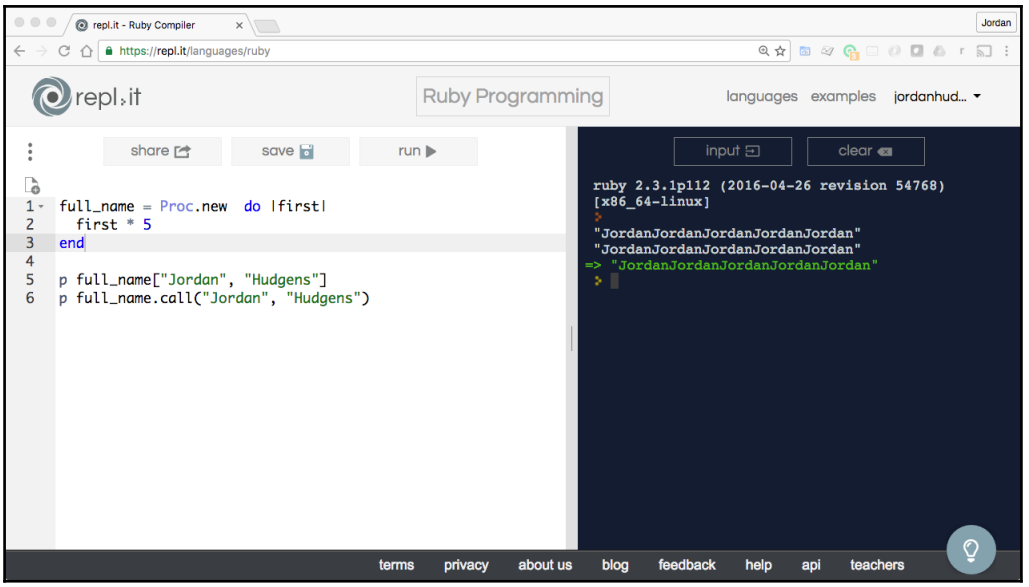

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
class Invoice
Class method
def self.print_out
"Printed out invoice"
end
Instance method
def convert_to_pdf
"Converted to PDF"
end
end
Invoice.convert_to_pdf
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
undefined method `convert_to_pdf' for
Invoice:Class
(repl):13:in `<main>'
terms
privacy
about us
blog
feedback
help
api
teachers

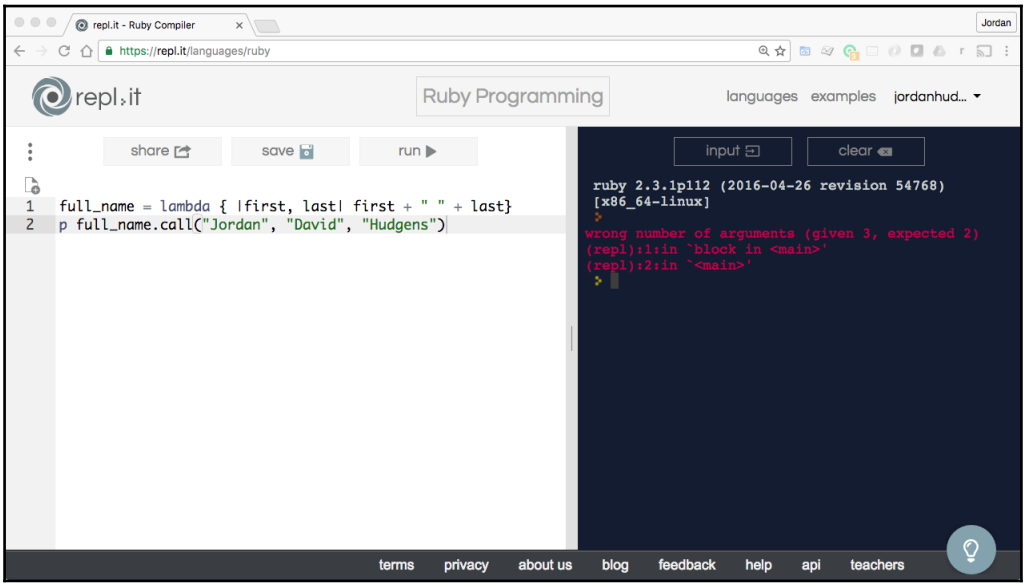

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl,it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
class Invoice
Class method
def self.print_out
"Printed out invoice"
end
Instance method
def convert_to_pdf
"Converted to PDF"
end
end
i = Invoice.new
i.convert_to_pdf
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> "Converted to PDF"
terms
privacy
about us
blog
feedback
help
api
teachers

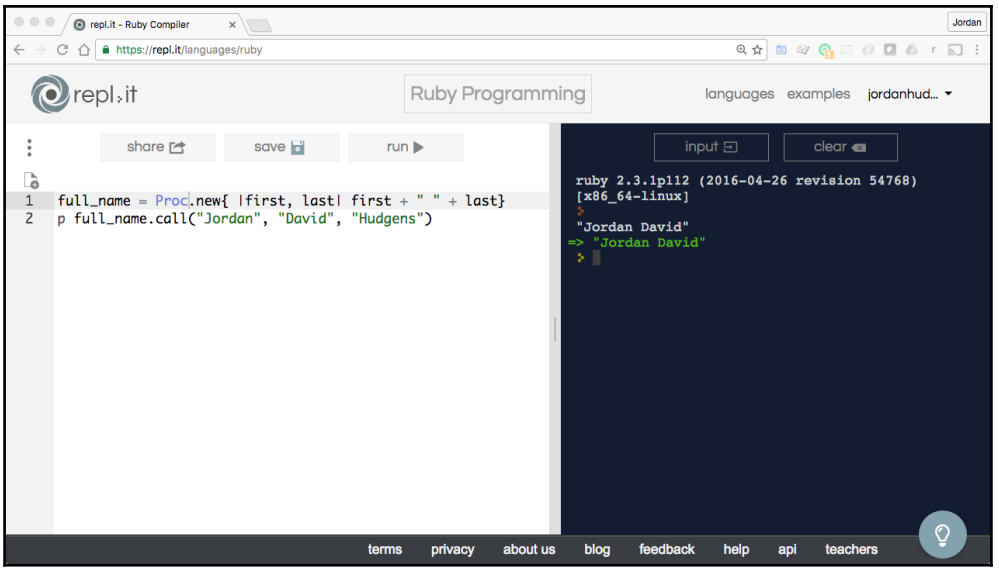

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl,it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
class Invoice
Class method
def self.print_out
"Printed out invoice"
end
Instance method
def convert_to_pdf
"Converted to PDF"
end
end
i = Invoice.new
i.print_out
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
undefined method `print_out' for #
<Invoice:0x00556ee5825bf0>
(repl):14:in `<main>'
terms
privacy
about us
blog
feedback
help
api
teachers

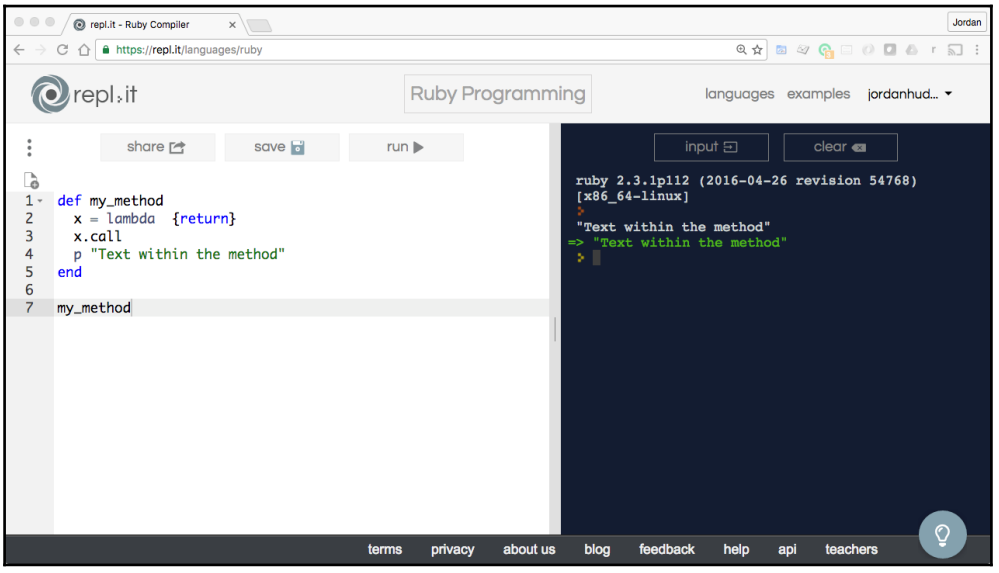

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 full_name = Proc.new { |first, last| first + " " + last}
2
3 p full_name["Jordan", "Hudgens"]
4 p full_name.call("Jordan", "Hudgens")
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"Jordan Hudgens"
"Jordan Hudgens"
=> "Jordan Hudgens"
terms
privacy
about us
blog
feedback
help
api
teachers

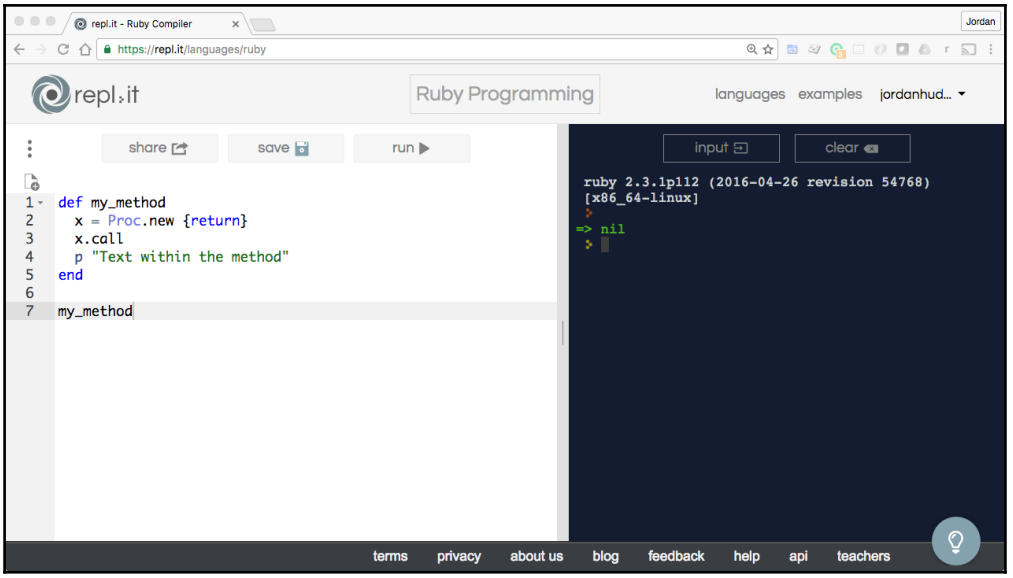

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 full_name = Proc.new { |first| first * 5}
2
3 p full_name["Jordan", "Hudgens"]
4 p full_name.call("Jordan", "Hudgens")
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"JordanJordanJordanJordanJordan"
"JordanJordanJordanJordanJordan"
=> "JordanJordanJordanJordanJordan"
terms
privacy
about us
blog
feedback
help
api
teachers

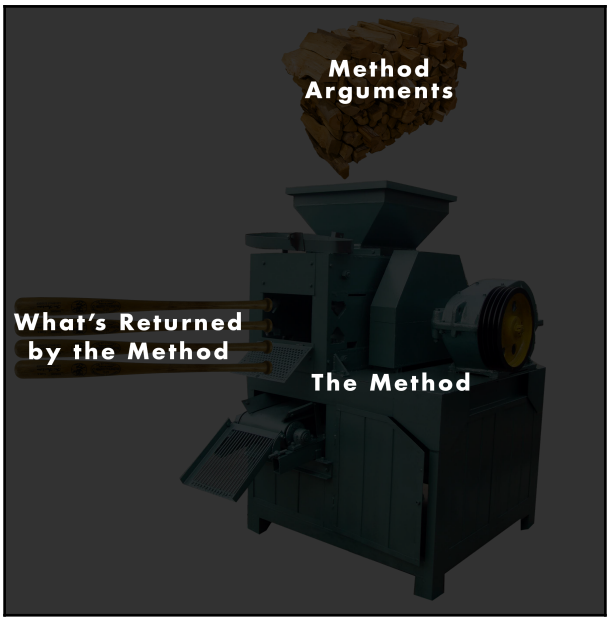

repl.it - Ruby Compiler
https://repl.it/languages/ruby
Jordan
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 full_name = Proc.new do |first|
2 first * 5
3 end
4
5 p full_name["Jordan", "Hudgens"]
6 p full_name.call("Jordan", "Hudgens")
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"JordanJordanJordanJordanJordan"
"JordanJordanJordanJordanJordan"
=> "JordanJordanJordanJordanJordan"
terms
privacy
about us
blog
feedback
help
api
teachers

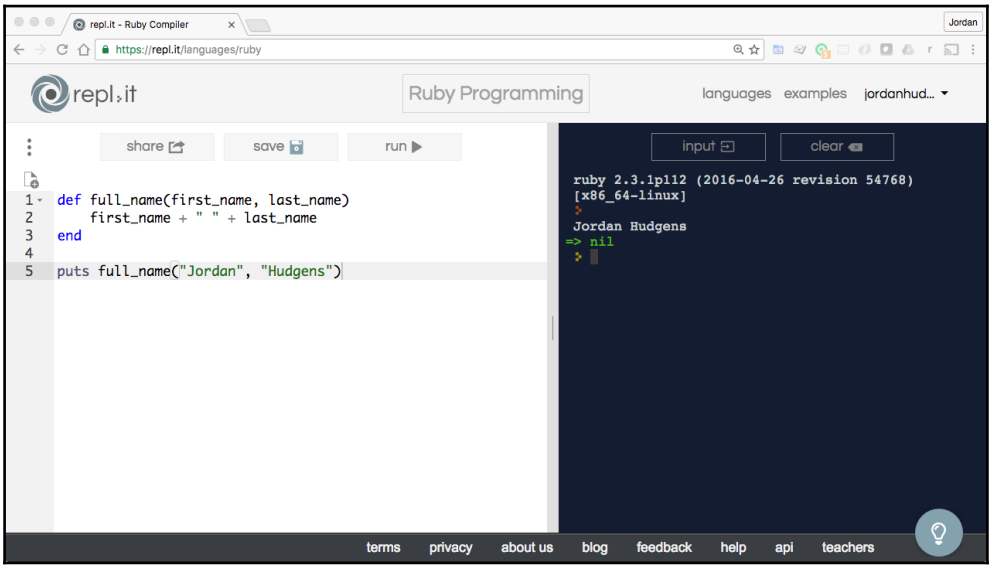

repl.it - Ruby Compiler
https://repl.it/languages/ruby
Jordan
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 full_name = lambda { |first, last| first + " " + last}
2 p full_name.call("Jordan", "David", "Hudgens")
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
wrong number of arguments (given 3, expected 2)
(repl):1:in `block in <main>'
(repl):2:in `<main>'
terms
privacy
about us
blog
feedback
help
api
teachers

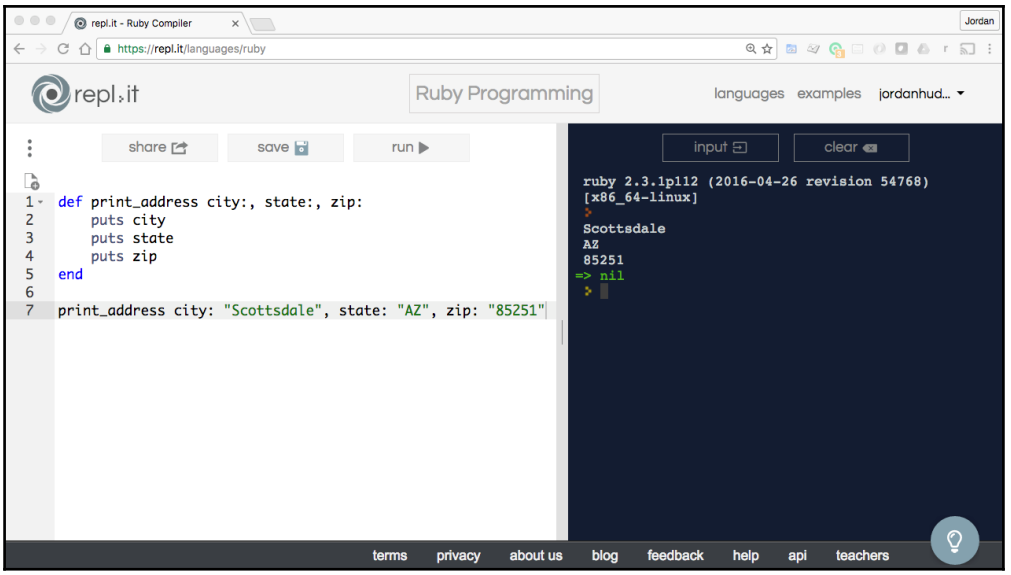

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 full_name = Proc.new{ |first, last| first + " " + last}
2 p full_name.call("Jordan", "David", "Hudgens")
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"Jordan David"
=> "Jordan David"
terms
privacy
about us
blog
feedback
help
api
teachers

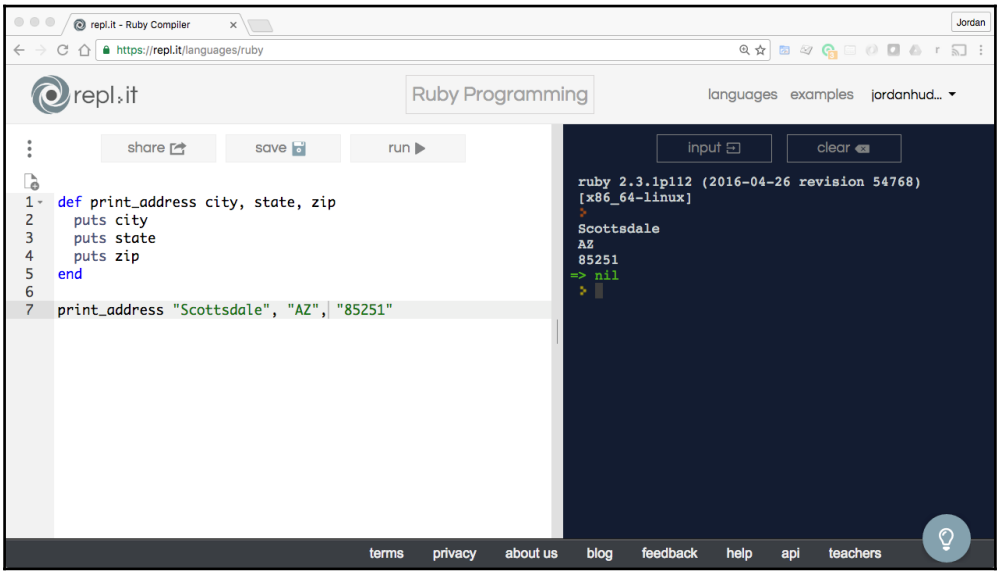

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 def my_method
2 x = lambda {return}
3 x.call
4 p "Text within the method"
5 end
6
7 my_method
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
"Text within the method"
=> "Text within the method"
terms
privacy
about us
blog
feedback
help
api
teachers

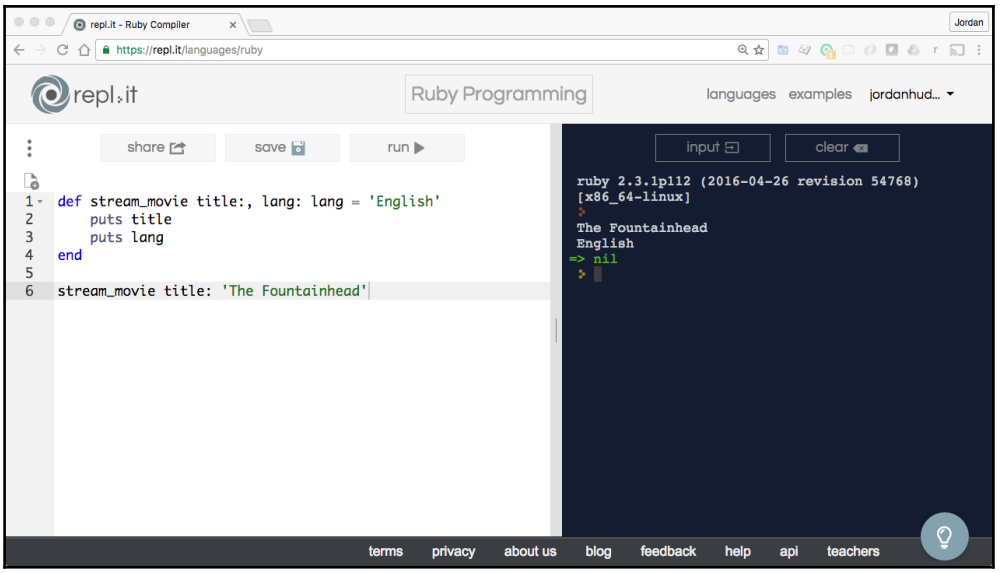

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def my_method
x = Proc.new {return}
x.call
p "Text within the method"
end
my_method
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

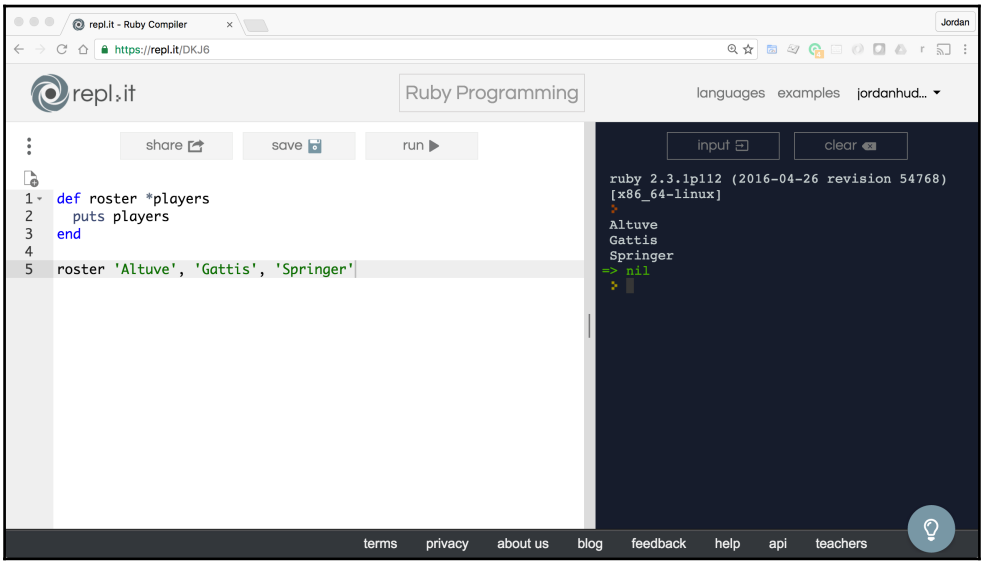

Method
Arguments
What's Returned
by the Method
The Method

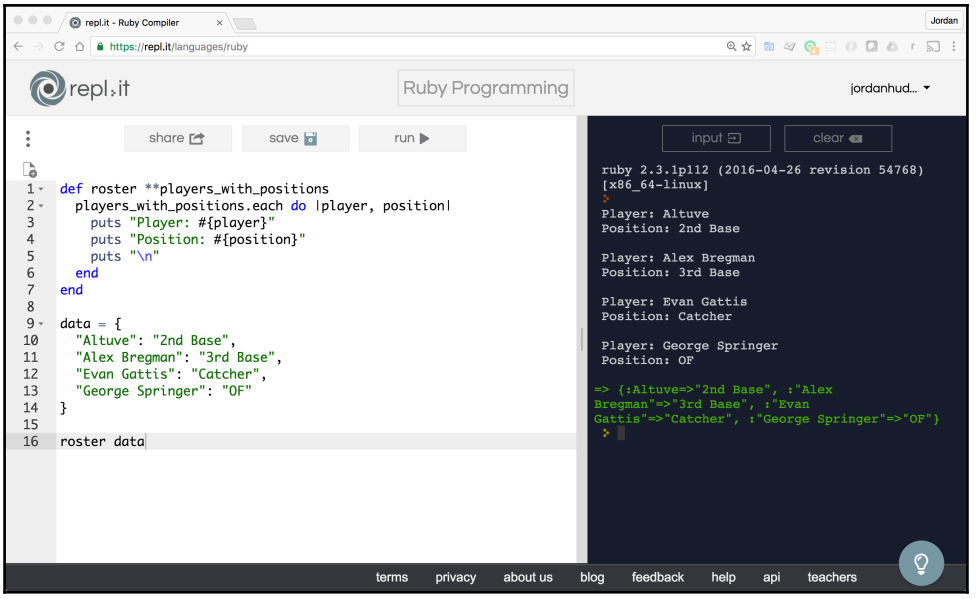

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def full_name(first_name, last_name)
first_name + " " + last_name
end
puts full_name("Jordan", "Hudgens")
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Jordan Hudgens
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

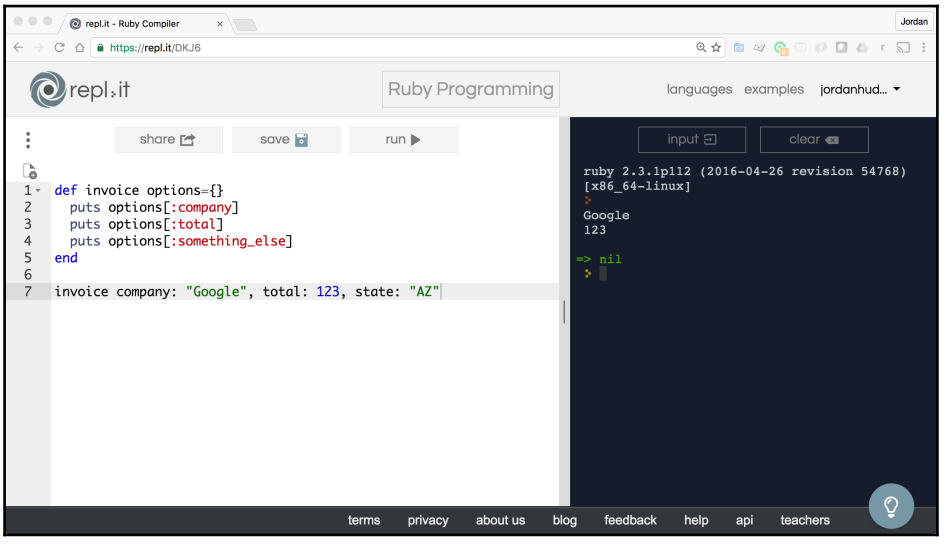

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def print_address city:, state:, zip:
puts city
puts state
puts zip
end
print_address city: "Scottsdale", state: "AZ", zip: "85251"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Scottsdale
AZ
85251
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def print_address city, state, zip
puts city
puts state
puts zip
end
print_address "Scottsdale", "AZ", "85251"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Scottsdale
AZ
85251
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

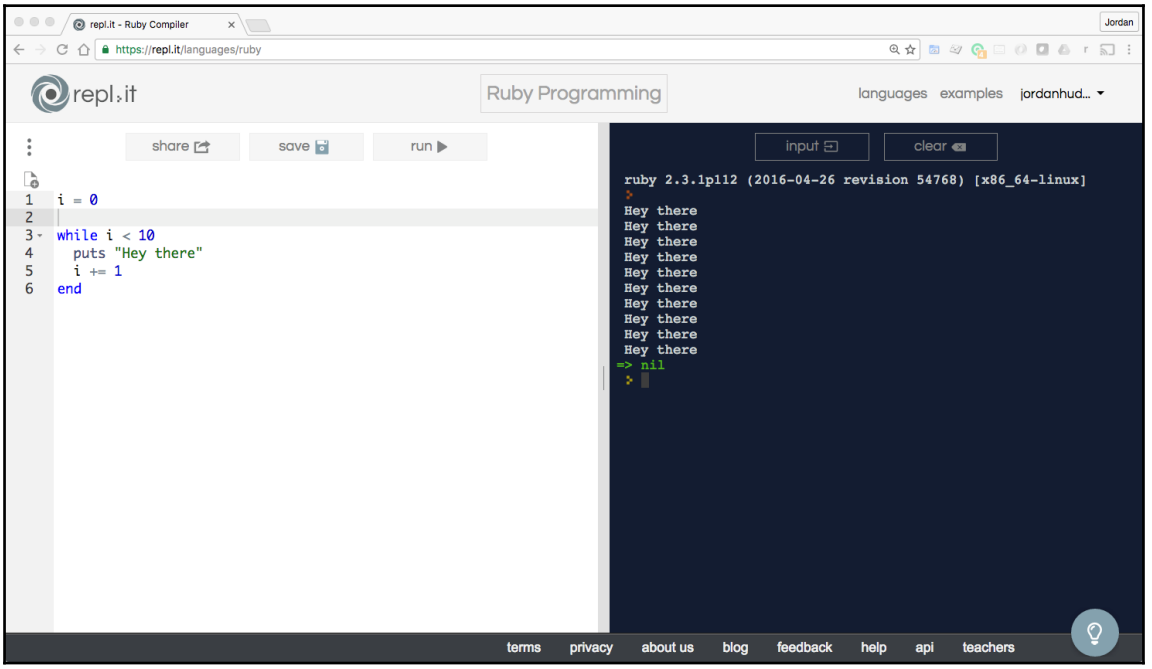

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 def stream_movie title:, lang: lang = 'English'
2 puts title
3 puts lang
4 end
5
6 stream_movie title: 'The Fountainhead'
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
The Fountainhead
English
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

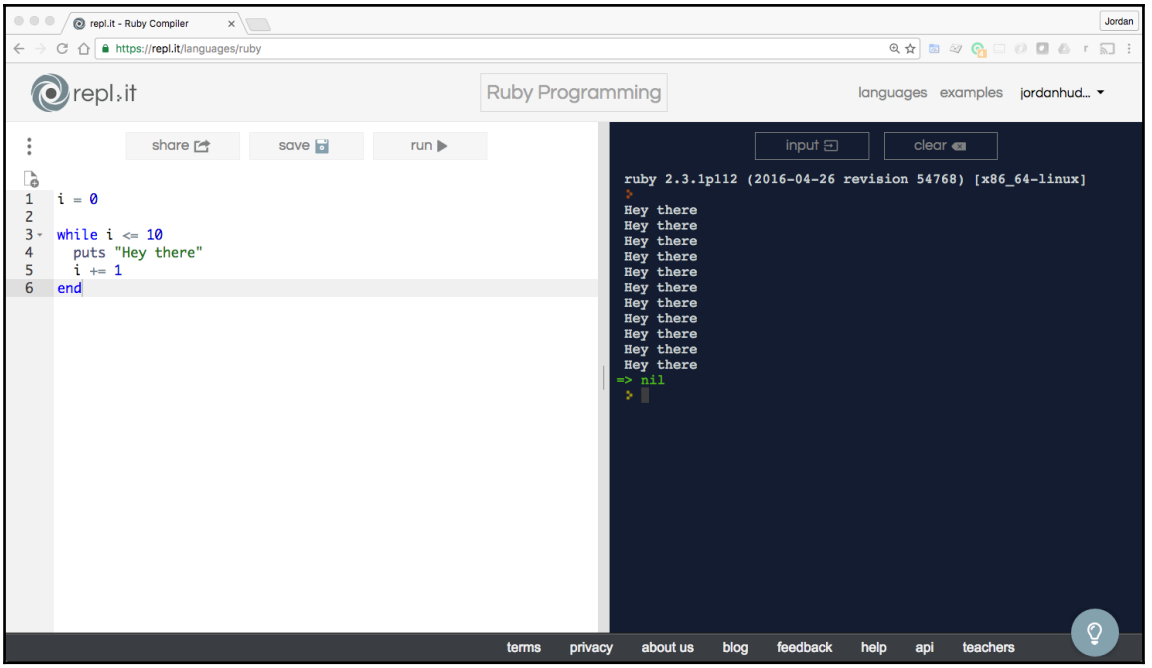

repl.it - Ruby Compiler
Jordan
https://repl.it/DKJ6
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 def roster *players
2 puts players
3 end
4
5 roster 'Altuve', 'Gattis', 'Springer'
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Altuve
Gattis
Springer
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

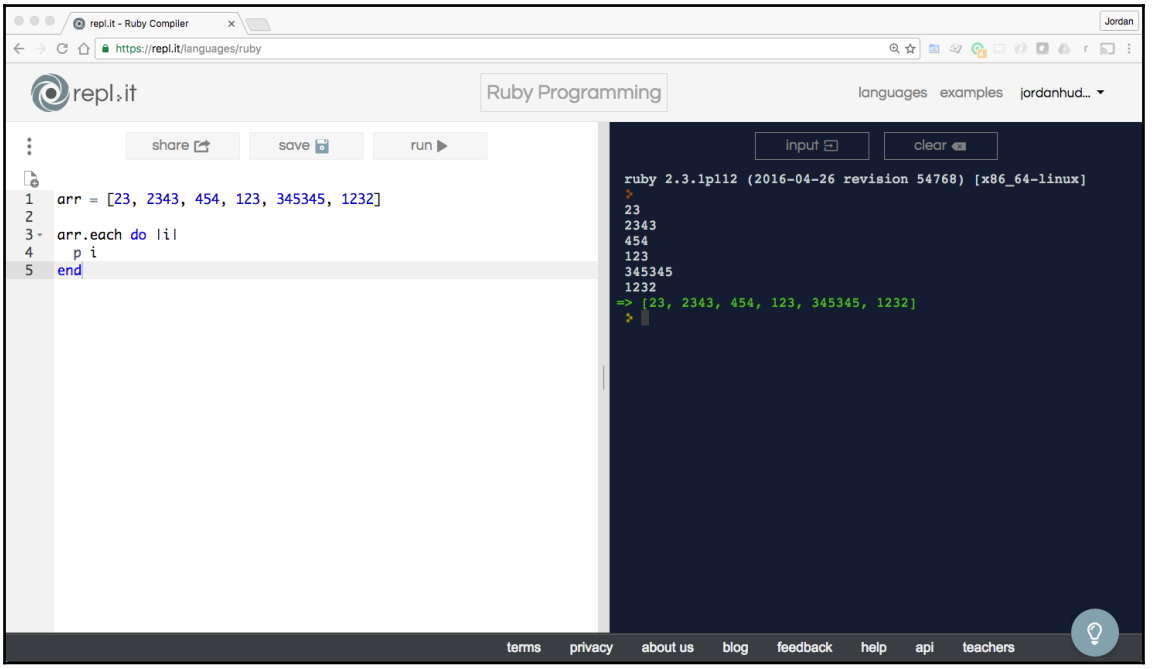

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
jordanhud...
share
save
run
input
clear
def roster **players_with_positions
players_with_positions.each do |player, position|
puts "Player: #{player}"
puts "Position: #{position}"
puts "\n"
end
end
data = {
"Altuve": "2nd Base",
"Alex Bregman": "3rd Base",
"Evan Gattis": "Catcher",
"George Springer": "OF"
}
roster data
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Player: Altuve
Position: 2nd Base
Player: Alex Bregman
Position: 3rd Base
Player: Evan Gattis
Position: Catcher
Player: George Springer
Position: OF
=> {:Altuve=>"2nd Base", :"Alex Bregman"=>"3rd Base", :"Evan Gattis"=>"Catcher", :"George Springer"=>"OF"}
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/DKJ6
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
def invoice options={}
puts options[:company]
puts options[:total]
puts options[:something_else]
end
invoice company: "Google", total: 123, state: "AZ"
ruby 2.3.1p112 (2016-04-26 revision 54768)
[x86_64-linux]
Google
123
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

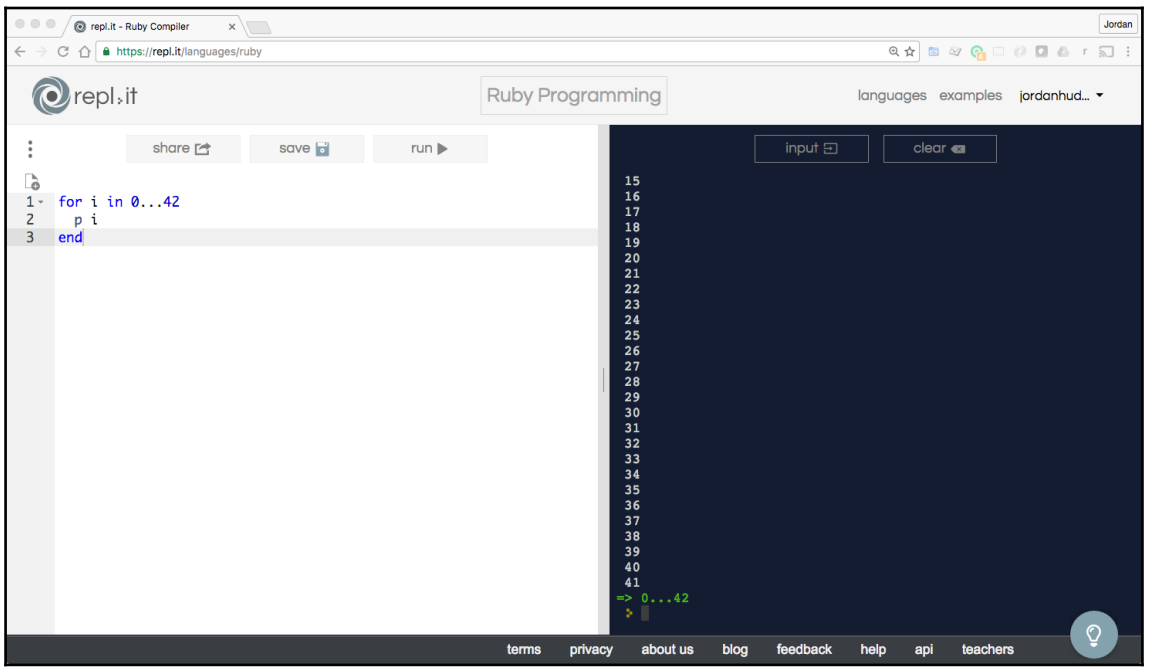
Chapter 6: Ruby Iterators and Loops

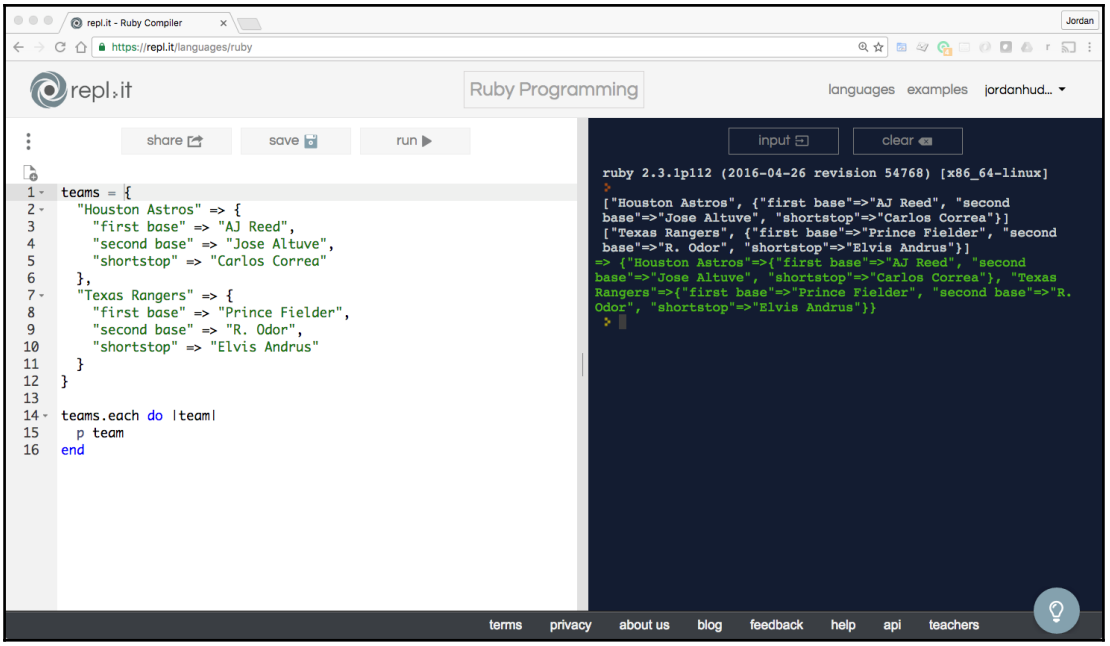


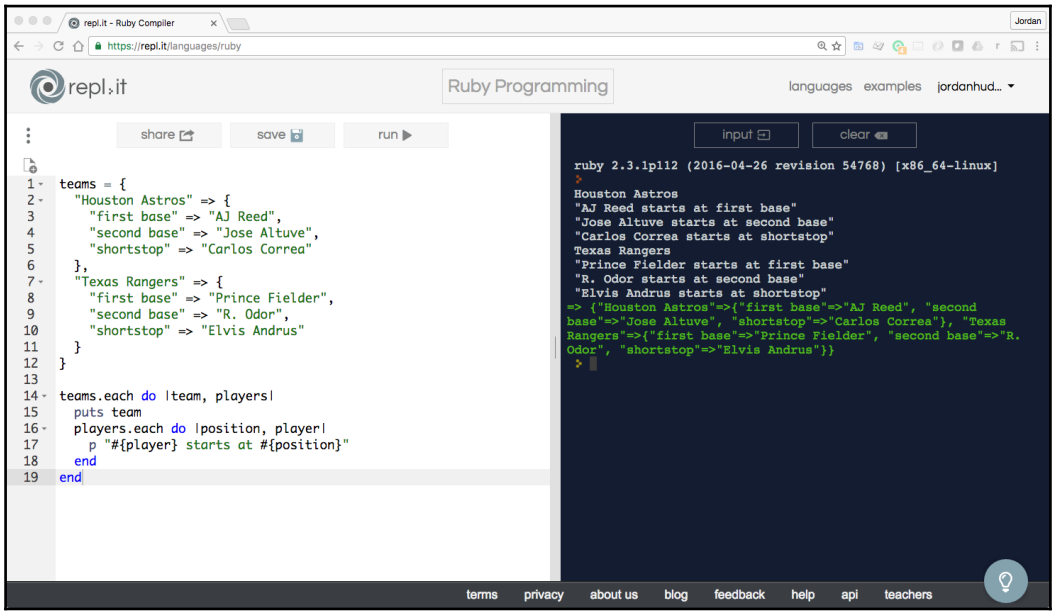

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 i = 0
2
3 while i <= 10
4 puts "Hey there"
5 i += 1
6 end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
Hey there
Hey there
Hey there
Hey there
Hey there
Hey there
Hey there
Hey there
Hey there
Hey there
Hey there
=> nil
terms
privacy
about us
blog
feedback
help
api
teachers

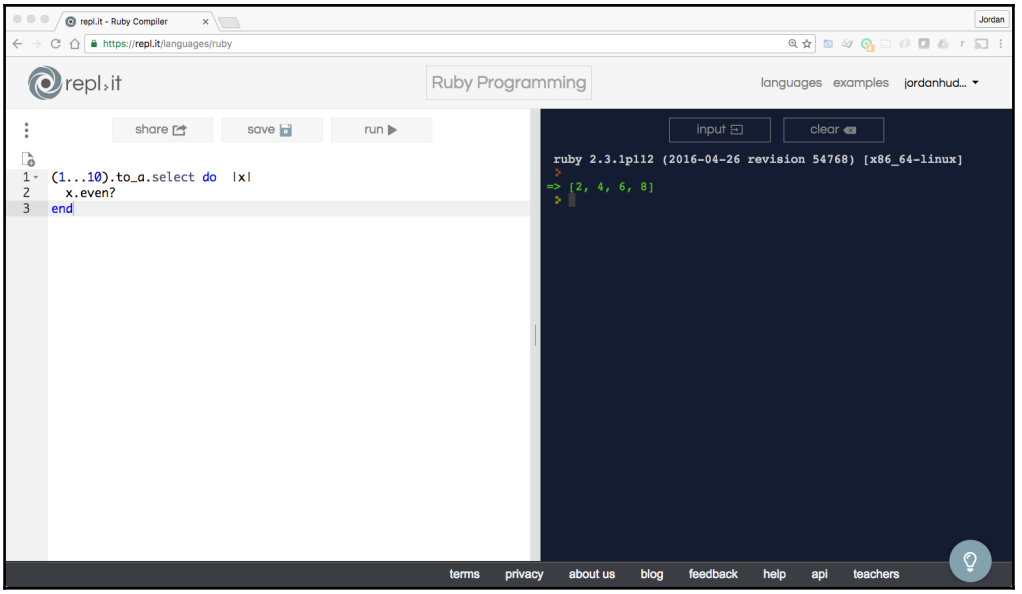

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 arr = [23, 2343, 454, 123, 345345, 1232]
2
3 arr.each do |i|
4 p i
5 end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
23
2343
454
123
345345
1232
=> [23, 2343, 454, 123, 345345, 1232]
terms
privacy
about us
blog
feedback
help
api
teachers

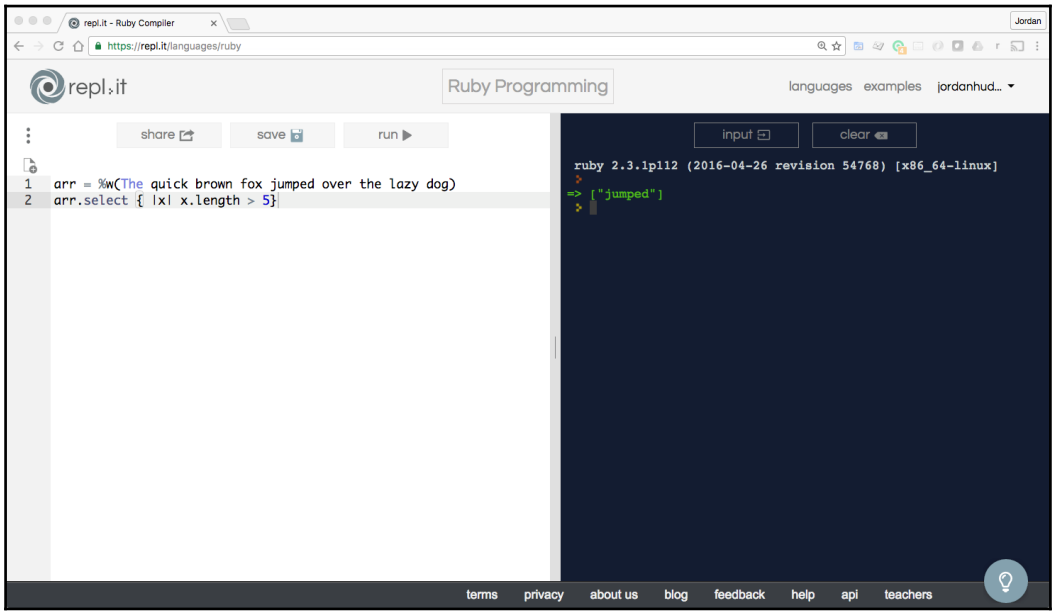
```
44              <% @jobs.each do |job| %>
45                <tr style="font-size:1.2em;">
46                  <td><%= job.created_at.strftime("%m/%d/%y") %></td>
47                  <td><%= job.req_number %></td>
48                  <td><%= link_to job.title, job %></td>
49                  <td><%= job.city %>, <%= job.state %></td>
50
51                  <% if current_user && current_user.role == "Admin" %>
52                    <td><%= job.job_applications.count if job.job_applications %
                        ></td>
53                    <td><%= link_to '<i class="fa fa-pencil-square"></i>'.
                        html_safe, edit_job_path(job) %></td>
54                    <td><%= link_to '<i class="fa fa-minus-square"></i>'.
                        html_safe, job, method: :delete, data: { confirm: 'Are
                        you sure?' } %></td>
55                  <% end %>
56                </tr>
57              <% end %>
```

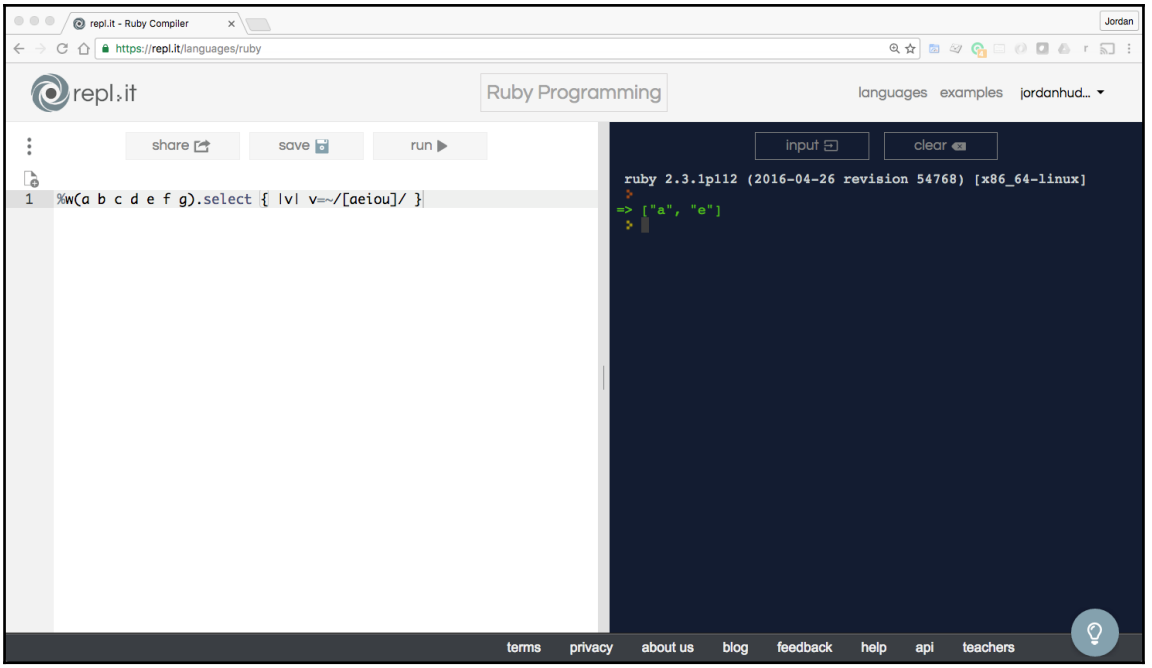


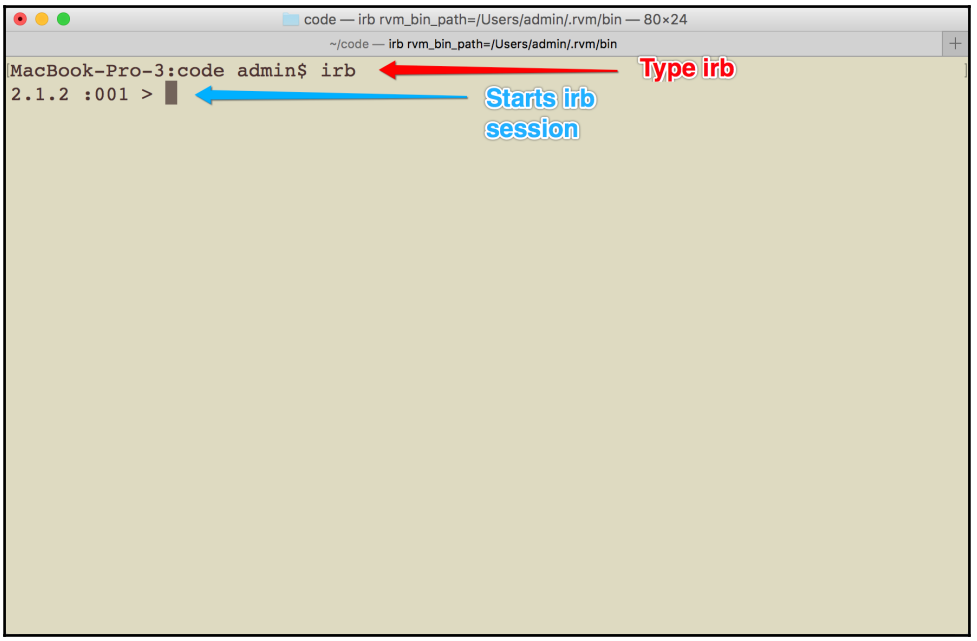

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 teams = {
2 "Houston Astros" => {
3 "first base" => "AJ Reed",
4 "second base" => "Jose Altuve",
5 "shortstop" => "Carlos Correa"
6 },
7 "Texas Rangers" => {
8 "first base" => "Prince Fielder",
9 "second base" => "R. Odor",
10 "shortstop" => "Elvis Andrus"
11 }
12 }
13
14 teams.each do |team|
15 p team
16 end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
["Houston Astros", {"first base"=>"AJ Reed", "second base"=>"Jose Altuve", "shortstop"=>"Carlos Correa"}]
["Texas Rangers", {"first base"=>"Prince Fielder", "second base"=>"R. Odor", "shortstop"=>"Elvis Andrus"}]
=> {"Houston Astros"=>{"first base"=>"AJ Reed", "second base"=>"Jose Altuve", "shortstop"=>"Carlos Correa"}, "Texas Rangers"=>{"first base"=>"Prince Fielder", "second base"=>"R. Odor", "shortstop"=>"Elvis Andrus"}}
terms privacy about us blog feedback help api teachers

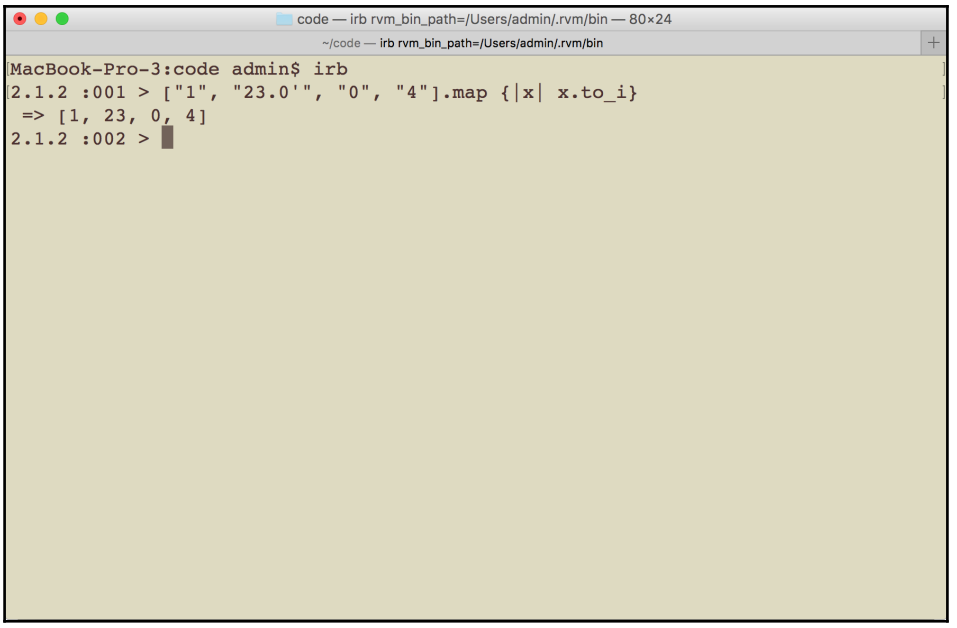

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages examples jordanhud...
share save run
input clear
1 teams = {
2 "Houston Astros" => {
3 "first base" => "AJ Reed",
4 "second base" => "Jose Altuve",
5 "shortstop" => "Carlos Correa"
6 },
7 "Texas Rangers" => {
8 "first base" => "Prince Fielder",
9 "second base" => "R. Odor",
10 "shortstop" => "Elvis Andrus"
11 }
12 }
13
14 teams.each do |team, players|
15 puts team
16 players.each do |position, player|
17 p "#{player} starts at #{position}"
18 end
19 end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
Houston Astros
"AJ Reed starts at first base"
"Jose Altuve starts at second base"
"Carlos Correa starts at shortstop"
Texas Rangers
"Prince Fielder starts at first base"
"R. Odor starts at second base"
"Elvis Andrus starts at shortstop"
=> {"Houston Astros"=>{"first base"=>"AJ Reed", "second base"=>"Jose Altuve", "shortstop"=>"Carlos Correa"}, "Texas Rangers"=>{"first base"=>"Prince Fielder", "second base"=>"R. Odor", "shortstop"=>"Elvis Andrus"}}
terms privacy about us blog feedback help api teachers

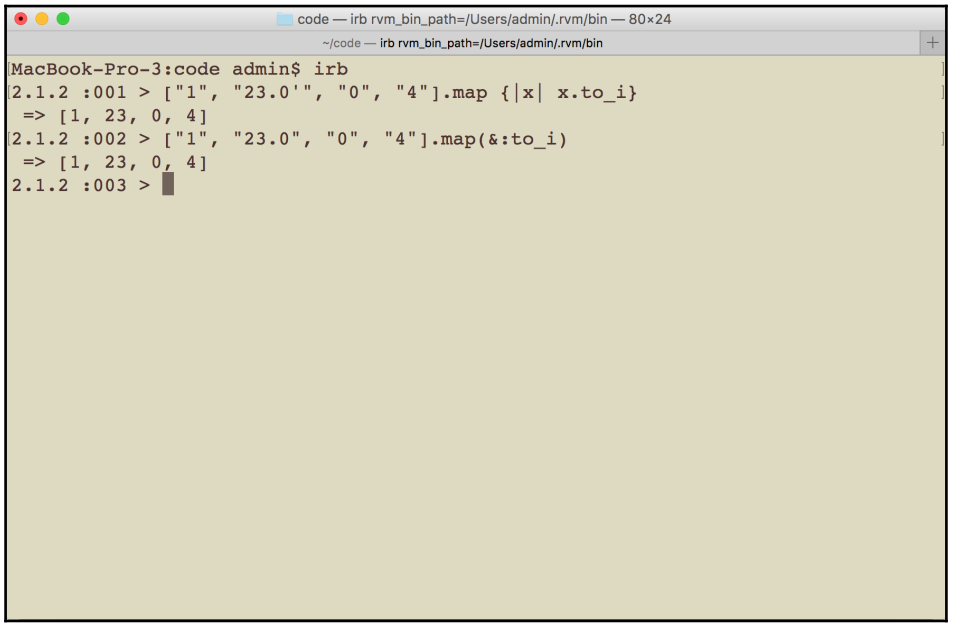

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
(1...10).to_a.select do |x|
x.even?
end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> [2, 4, 6, 8]
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
arr = %w(The quick brown fox jumped over the lazy dog)
arr.select { |x| x.length > 5}
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> ["jumped"]
terms
privacy
about us
blog
feedback
help
api
teachers

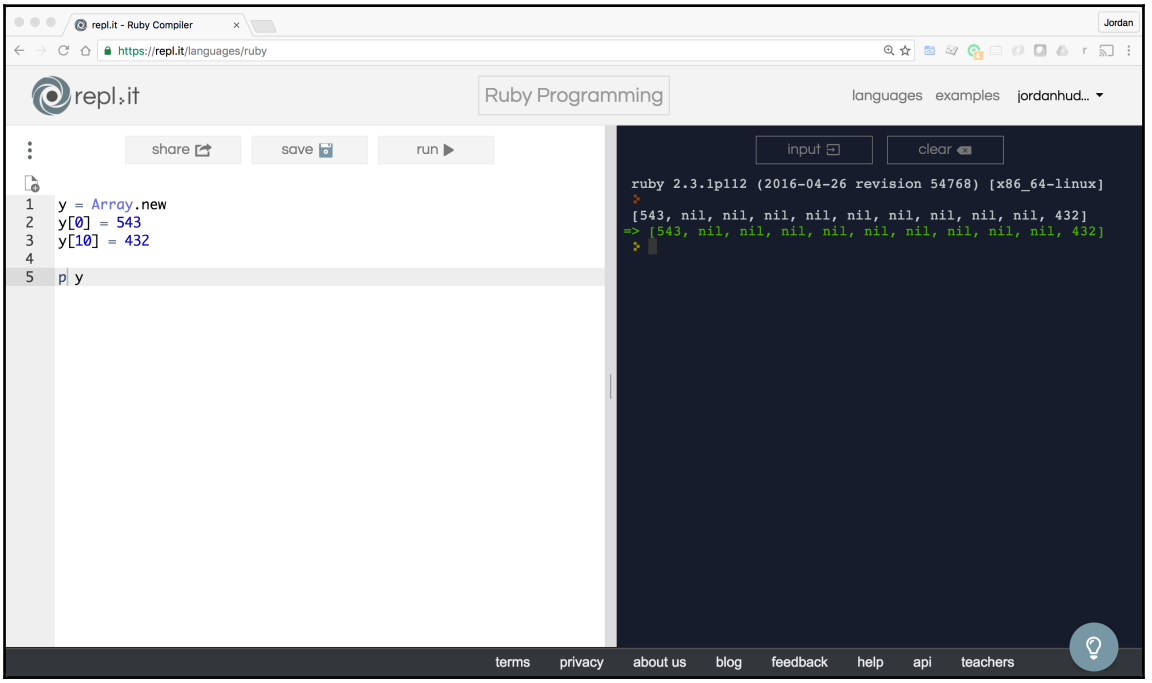

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1
%w(a b c d e f g).select { |v| v=~/[aeiou]/ }
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> ["a", "e"]
terms
privacy
about us
blog
feedback
help
api
teachers

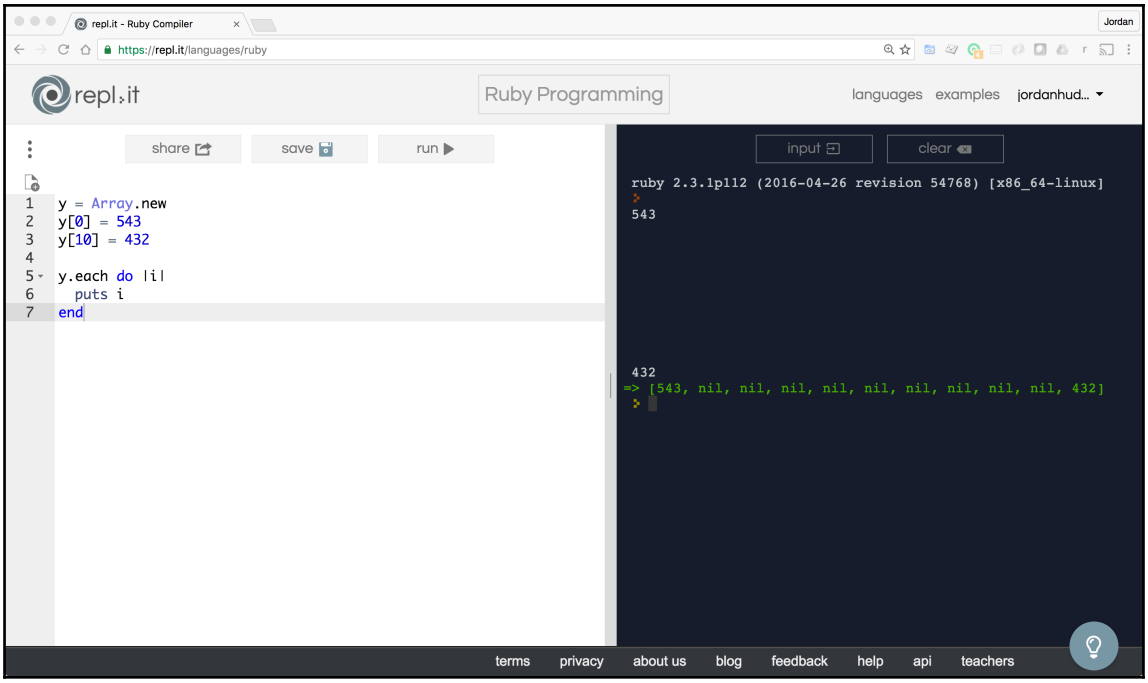

code — irb rvm_bin_path=/Users/admin/.rvm/bin — 80×24
~/code — irb rvm_bin_path=/Users/admin/.rvm/bin
MacBook-Pro-3:code admin$ irb
2.1.2 :001 >
Type irb
Starts irb session

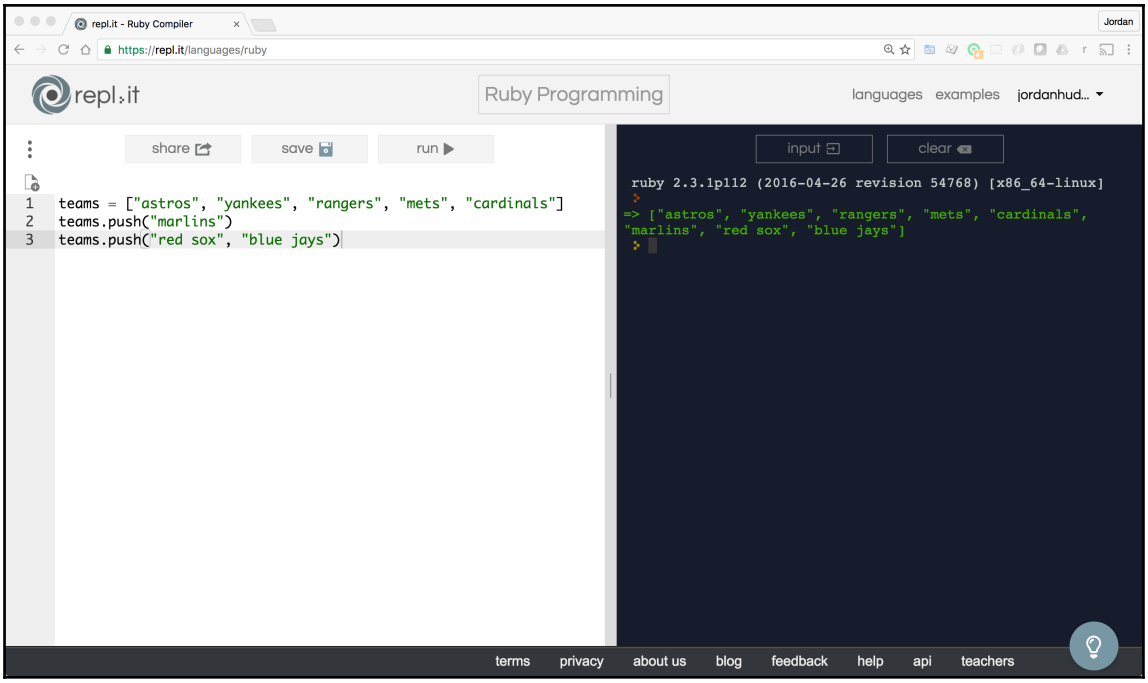

code — irb rvm_bin_path=/Users/admin/.rvm/bin — 80×24
~/code — irb rvm_bin_path=/Users/admin/.rvm/bin
MacBook-Pro-3:code admin$ irb
2.1.2 :001 > ["1", "23.0'", "0", "4"].map {|x| x.to_i}
=> [1, 23, 0, 4]
2.1.2 :002 >

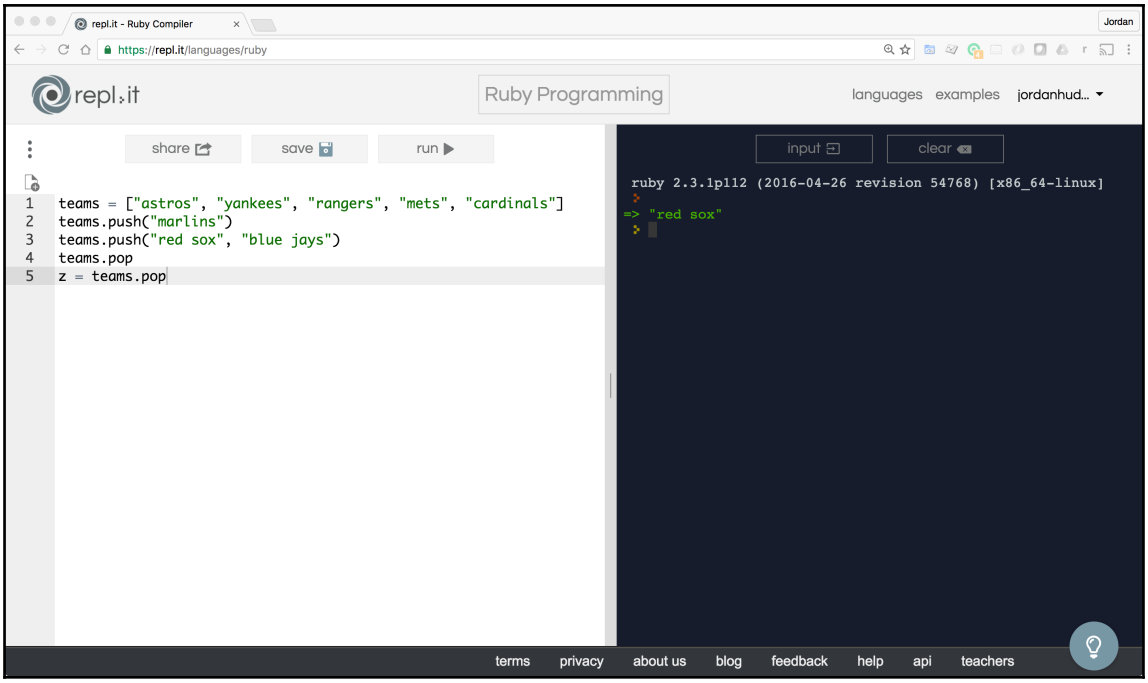

code — irb rvm_bin_path=/Users/admin/.rvm/bin — 80×24
~/code — irb rvm_bin_path=/Users/admin/.rvm/bin
MacBook-Pro-3:code admin$ irb
2.1.2 :001 > ["1", "23.0'", "0", "4"].map {|x| x.to_i}
=> [1, 23, 0, 4]
2.1.2 :002 > ["1", "23.0", "0", "4"].map(&:to_i)
=> [1, 23, 0, 4]
2.1.2 :003 >

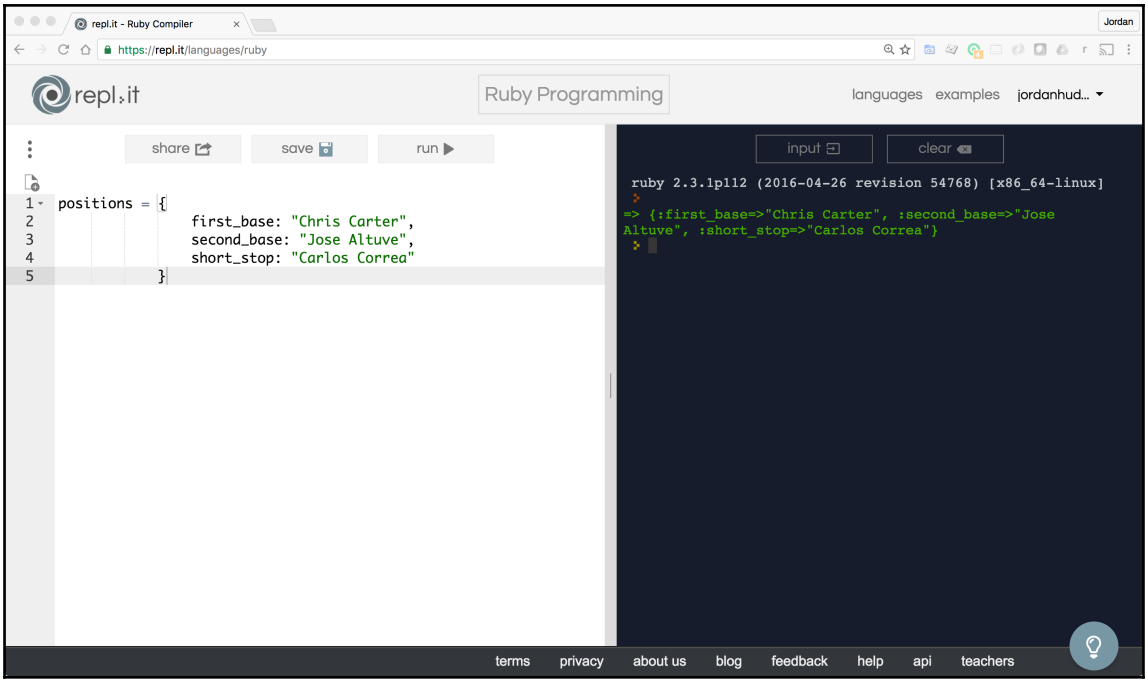
Chapter 7: Ruby Collections

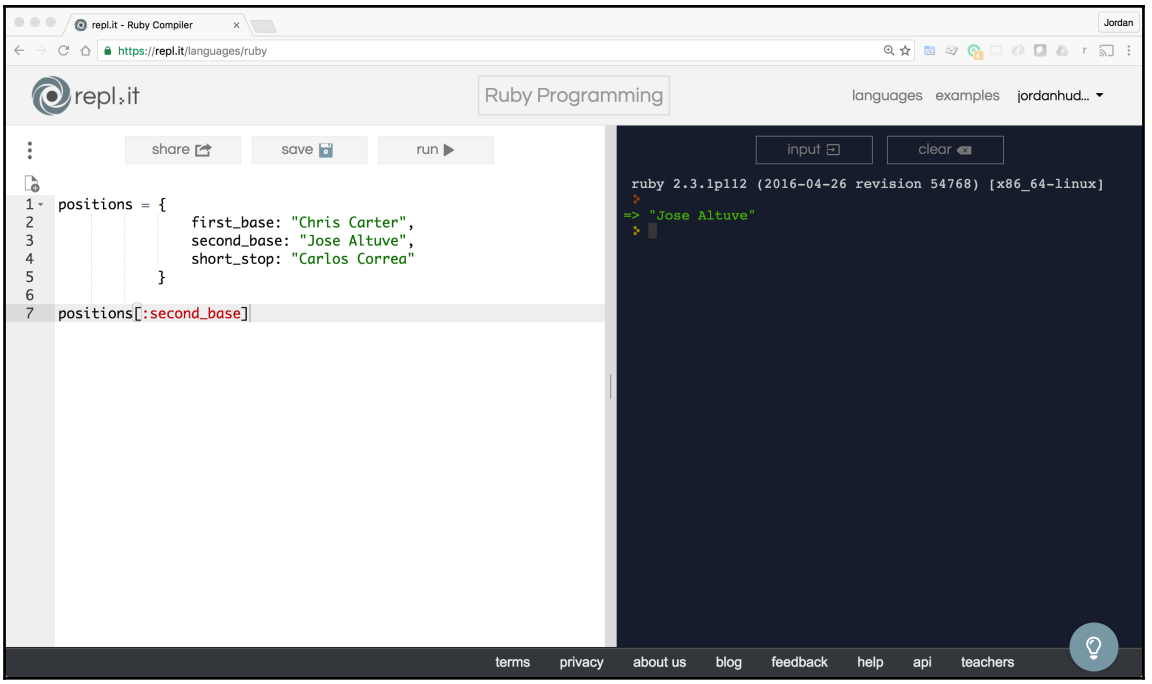



repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
y = Array.new
y[0] = 543
y[10] = 432
y.each do |i|
puts i
end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
543
432
=> [543, nil, nil, nil, nil, nil, nil, nil, nil, nil, 432]
terms
privacy
about us
blog
feedback
help
api
teachers

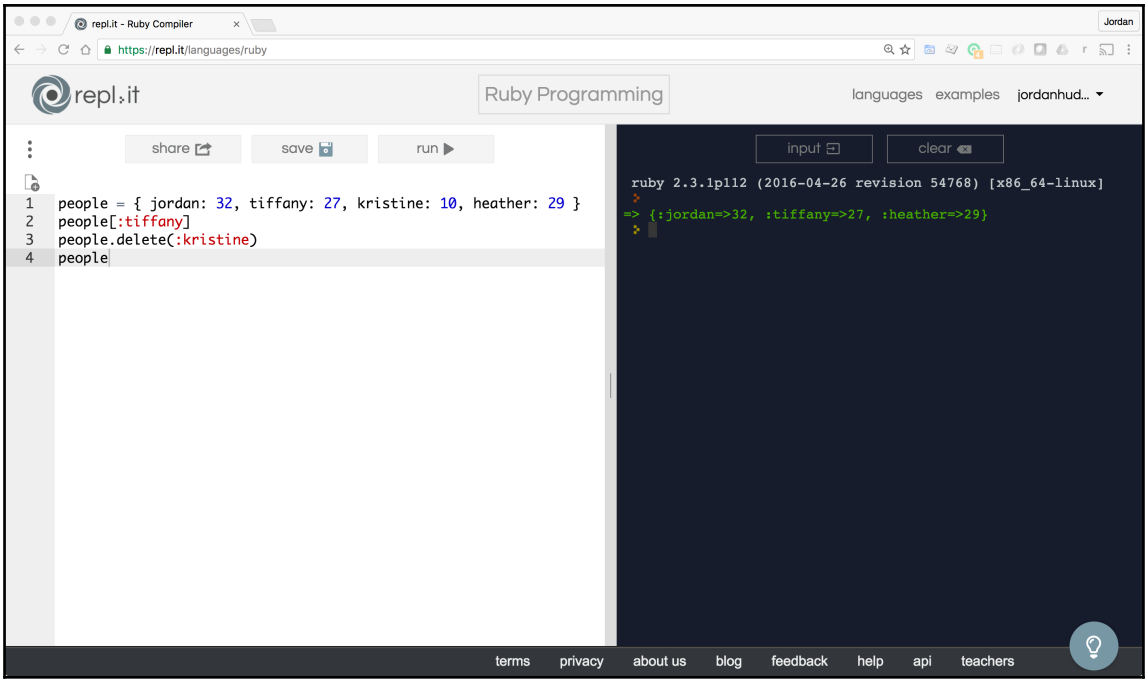

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 teams = ["astros", "yankees", "rangers", "mets", "cardinals"]
2 teams.push("marlins")
3 teams.push("red sox", "blue jays")
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> ["astros", "yankees", "rangers", "mets", "cardinals", "marlins", "red sox", "blue jays"]
terms
privacy
about us
blog
feedback
help
api
teachers

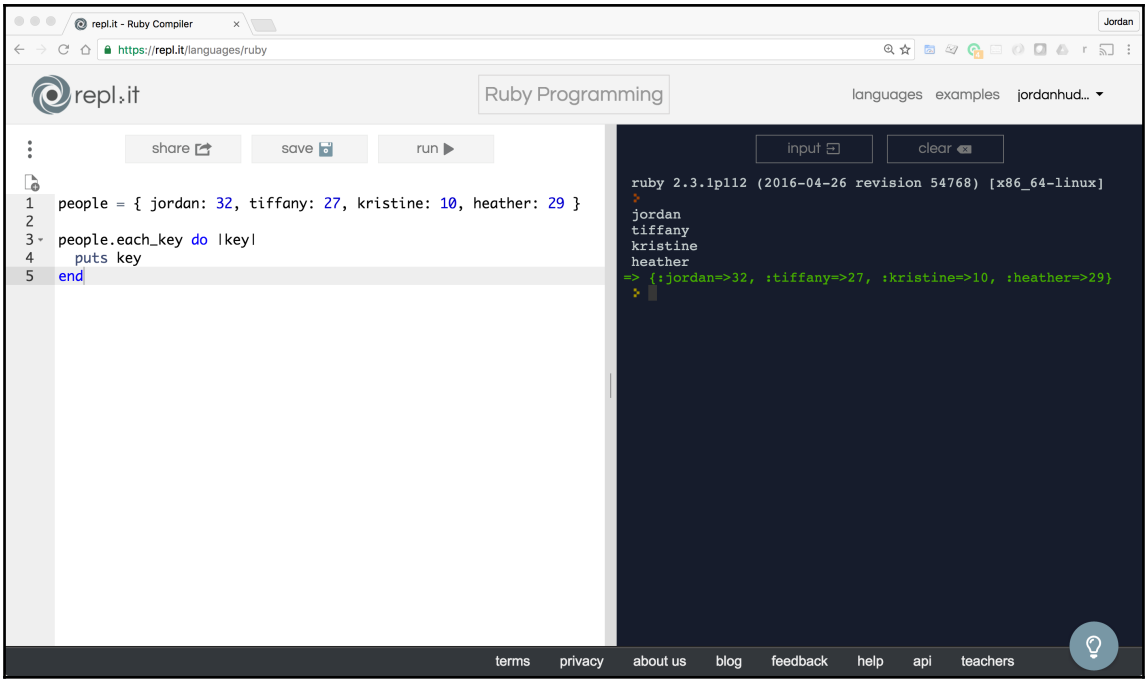

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
1 teams = ["astros", "yankees", "rangers", "mets", "cardinals"]
2 teams.push("marlins")
3 teams.push("red sox", "blue jays")
4 teams.pop
5 z = teams.pop
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> "red sox"
terms
privacy
about us
blog
feedback
help
api
teachers

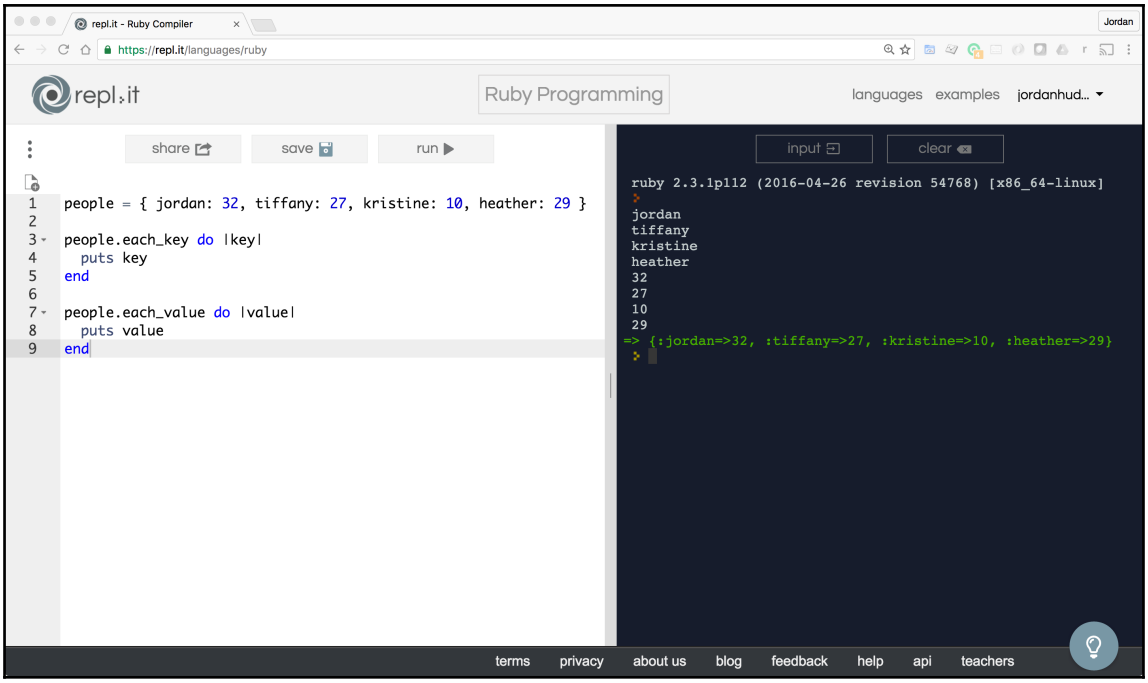

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
positions = {
first_base: "Chris Carter",
second_base: "Jose Altuve",
short_stop: "Carlos Correa"
}
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> {:first_base=>"Chris Carter", :second_base=>"Jose Altuve", :short_stop=>"Carlos Correa"}
terms
privacy
about us
blog
feedback
help
api
teachers

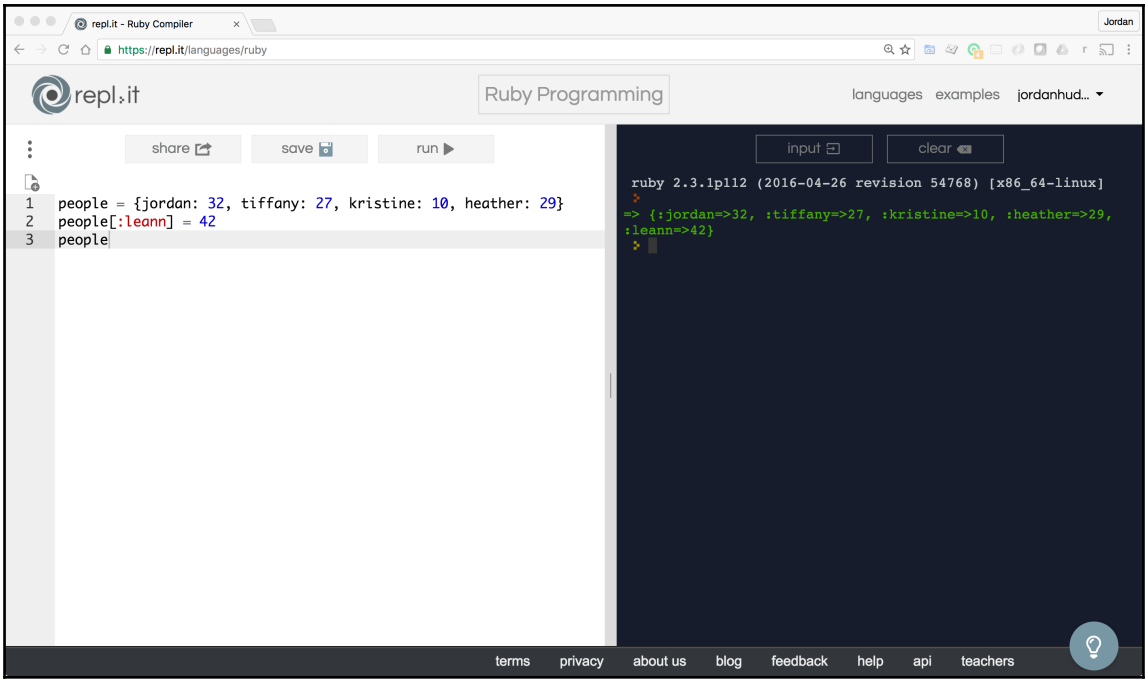


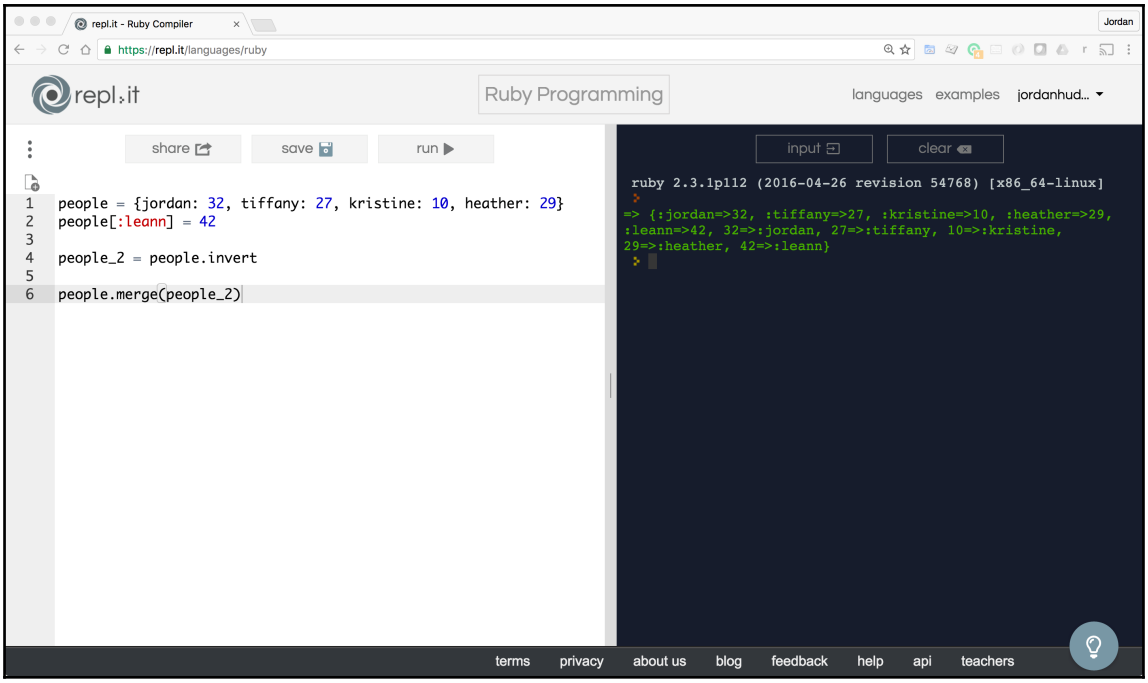

```ruby
class JobsController < ApplicationController
  before_action :set_job, only: [:show, :edit, :update, :destroy]
  before_action :authenticate_user!, only: [:edit, :new, :destroy]

  # GET /jobs
  # GET /jobs.json
  def index
    @jobs = Job.paginate(page: params[:page], per_page: 10)
  end

```

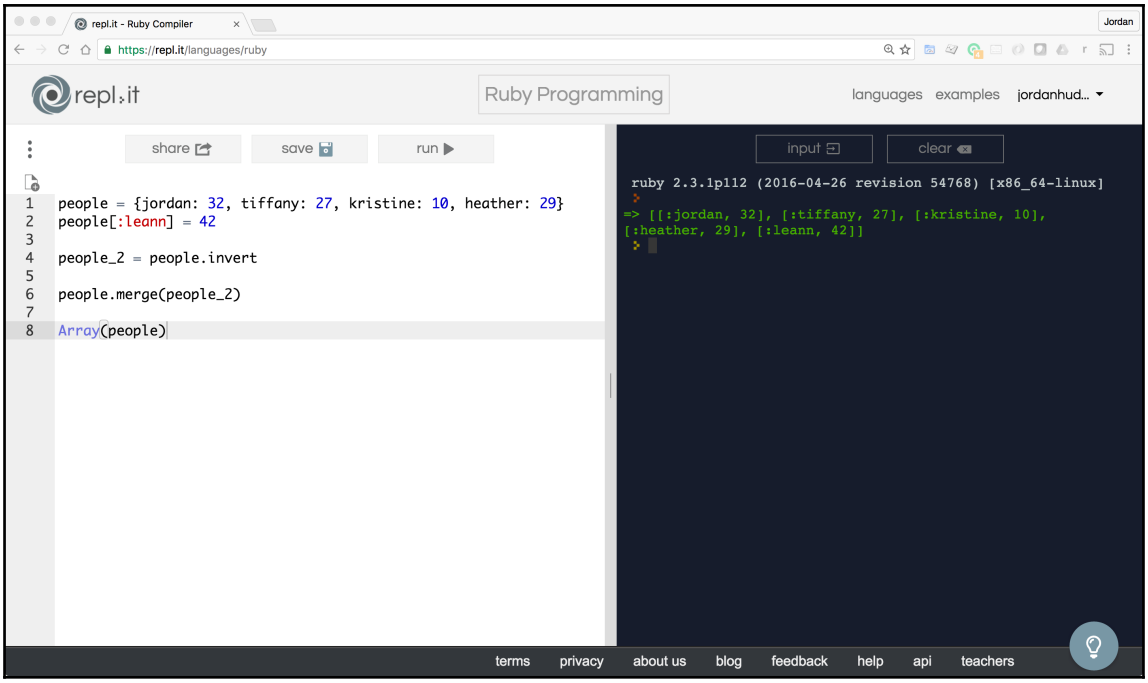

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
people = { jordan: 32, tiffany: 27, kristine: 10, heather: 29 }
people[:tiffany]
people.delete(:kristine)
people
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> {:jordan=>32, :tiffany=>27, :heather=>29}
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
people = { jordan: 32, tiffany: 27, kristine: 10, heather: 29 }
people.each_key do |key|
puts key
end
input
clear
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
jordan
tiffany
kristine
heather
=> {:jordan=>32, :tiffany=>27, :kristine=>10, :heather=>29}
terms
privacy
about us
blog
feedback
help
api
teachers

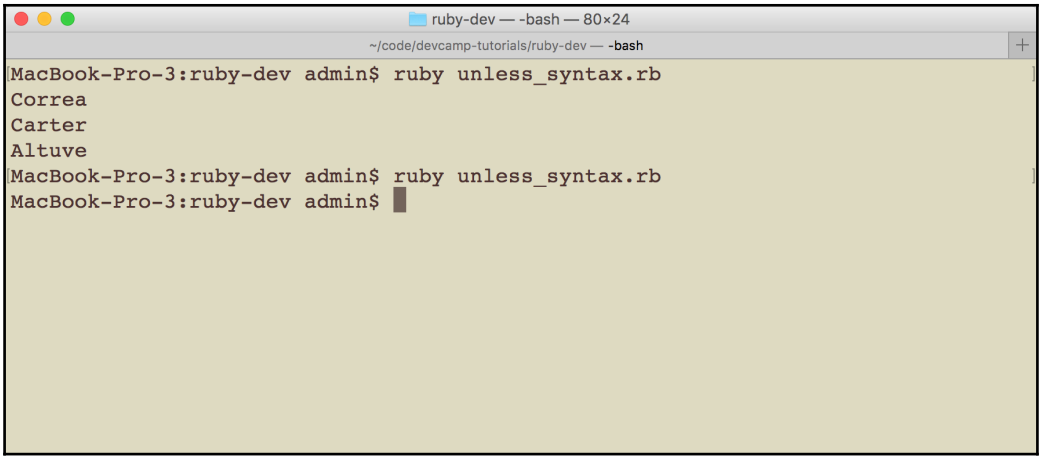

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
people = { jordan: 32, tiffany: 27, kristine: 10, heather: 29 }
people.each_key do |key|
puts key
end
people.each_value do |value|
puts value
end
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
jordan
tiffany
kristine
heather
32
27
10
29
=> {:jordan=>32, :tiffany=>27, :kristine=>10, :heather=>29}
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
people = {jordan: 32, tiffany: 27, kristine: 10, heather: 29}
people[:leann] = 42
people
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> {:jordan=>32, :tiffany=>27, :kristine=>10, :heather=>29, :leann=>42}
terms
privacy
about us
blog
feedback
help
api
teachers


repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
input
clear
people = {jordan: 32, tiffany: 27, kristine: 10, heather: 29}
people[:leann] = 42
people_2 = people.invert
people.merge(people_2)
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> {:jordan=>32, :tiffany=>27, :kristine=>10, :heather=>29, :leann=>42, 32=>:jordan, 27=>:tiffany, 10=>:kristine, 29=>:heather, 42=>:leann}
terms
privacy
about us
blog
feedback
help
api
teachers

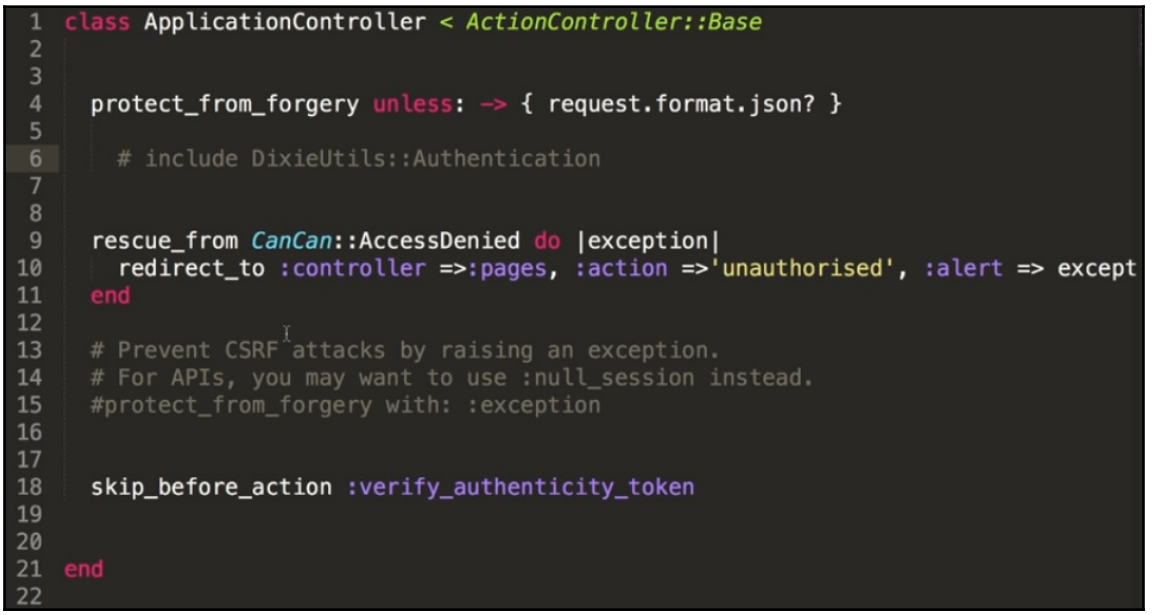

repl.it - Ruby Compiler
Jordan
https://repl.it/languages/ruby
repl.it
Ruby Programming
languages
examples
jordanhud...
share
save
run
people = {jordan: 32, tiffany: 27, kristine: 10, heather: 29}
people[:leann] = 42
people_2 = people.invert
people.merge(people_2)
Array(people)
input
clear
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-linux]
=> [[:jordan, 32], [:tiffany, 27], [:kristine, 10], [:heather, 29], [:leann, 42]]
terms
privacy
about us
blog
feedback
help
api
teachers

Chapter 8: Ruby Conditionals



ruby-dev — -bash — 80×24
~/code/devcamp-tutorials/ruby-dev — -bash
MacBook-Pro-3:ruby-dev admin$ ruby if_elsif.rb
from the if statement
MacBook-Pro-3:ruby-dev admin$

Chapter 9: Object-Oriented Programming in Ruby

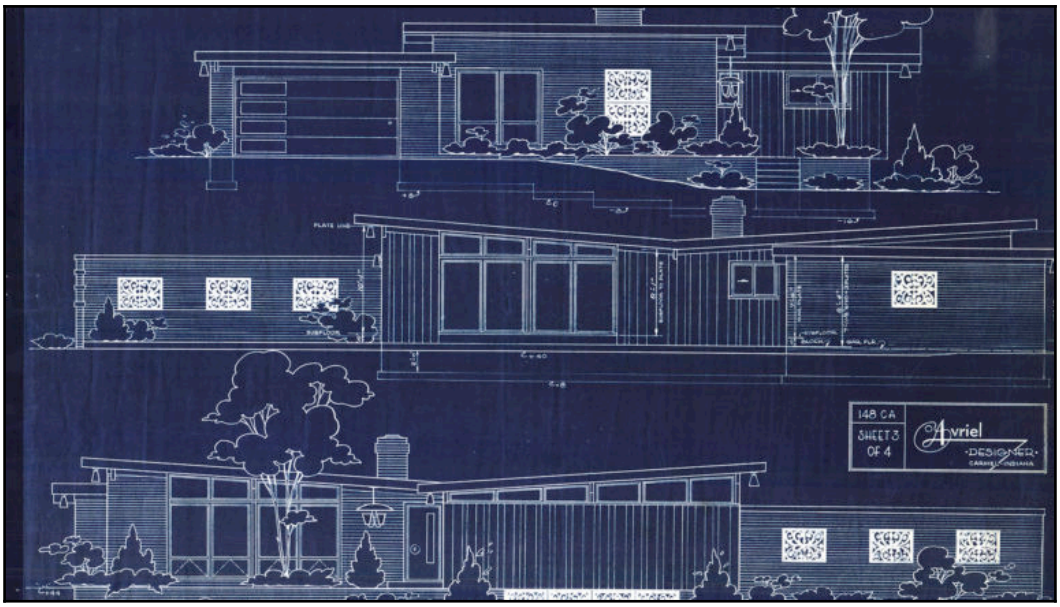


```ruby
class ApplicationController < ActionController::Base


  protect_from_forgery unless: -> { request.format.json? }

    # include DixieUtils::Authentication


  rescue_from CanCan::AccessDenied do |exception|
    redirect_to :controller =>:pages, :action =>'unauthorised', :alert => except
  end

  # Prevent CSRF attacks by raising an exception.
  # For APIs, you may want to use :null_session instead.
  #protect_from_forgery with: :exception


  skip_before_action :verify_authenticity_token


end

```

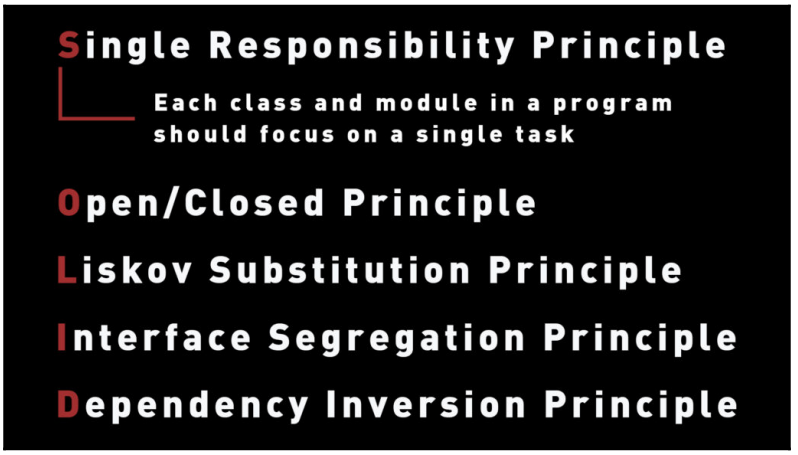
```ruby
class BranchesController < ApplicationController

  before_action :set_branch, only: [:show, :edit, :update, :destroy]

  #load_and_authorize_resource

  def index
    @branches = Branch.all
    @branch_categories = BranchCategory.all
    respond_to do |format|
      format.html
      format.json { render json: @branches }
    end
  end

  def new
    @branch = Branch.new
    @branch_categories = BranchCategory.all
    @managers = Manager.all

    respond_to do |format|
      format.html{ render 'branches/html/new' }
    end
  end
```

```ruby
  def create
    @branch = Branch.new(branch_params)
    @managers = Manager.all
    @branch_categories = BranchCategory.all

    respond_to do |format|
      if @branch.save

        format.html { redirect_to @branch, notice: 'Branch was successfully gen
        format.json { render :show, status: :created}
      else
        format.html { render 'branches/html/new' }
        format.json { render json: @branch.errors, status: :unprocessable_entit
      end
    end

  end
```

```ruby
class Branch < ActiveRecord::Base
  belongs_to :brach_categories, dependent: :destroy
  belongs_to :manager, foreign_key: :manager_id
  has_many :business_cards
  has_many :vender_requests
  mount_uploader :logo, CorpFileUploader
  mount_uploader :bg_template, CorpFileUploader
  mount_uploader :footer_img, CorpFileUploader
  validates_presence_of :name, :address_one, :city, :state, :zip_code, :logo, :f
        I



  def self.first_approver(branch)
    branch.manager
  end

  def self.secnd_approver(branch)
    branch.manager.name
  end

end
```


148 CA
SHEET 3
OF 4
Ayriel
DESIGNER

ruby-dev — -bash — 80×24
~/code/devcamp-tutorials/ruby-dev — -bash
MacBook-Pro-3:ruby-dev admin$ ruby api_connector.rb
My title
My cool description
google.com
MacBook-Pro-3:ruby-dev admin$


Single Responsibility Principle
Each class and module in a program should focus on a single task
Open/Closed Principle
Liskov Substitution Principle
Interface Segregation Principle
Dependency Inversion Principle

Single Responsibility Principle

Open/Closed Principle

> Software elements (classes, modules, functions, etc.) should be open for extension, but closed for modification

Liskov Substitution Principle

Interface Segregation Principle

Dependency Inversion Principle

Single Responsibility Principle

Open/Closed Principle

Liskov Substitution Principle

> Ability to replace any instance of a parent class with an instance of one of its child classes without negative side effects

Interface Segregation Principle

Dependency Inversion Principle

Single Responsibility Principle

Open/Closed Principle

Liskov Substitution Principle

Interface Segregation Principle

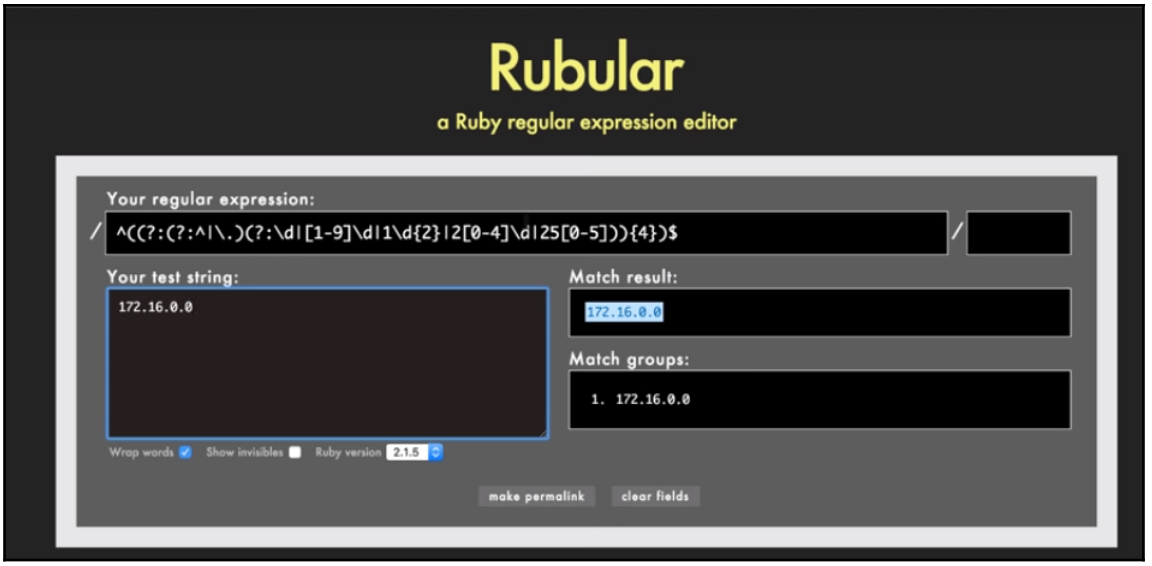
> code should not be forced to depend on methods that it doesn't use

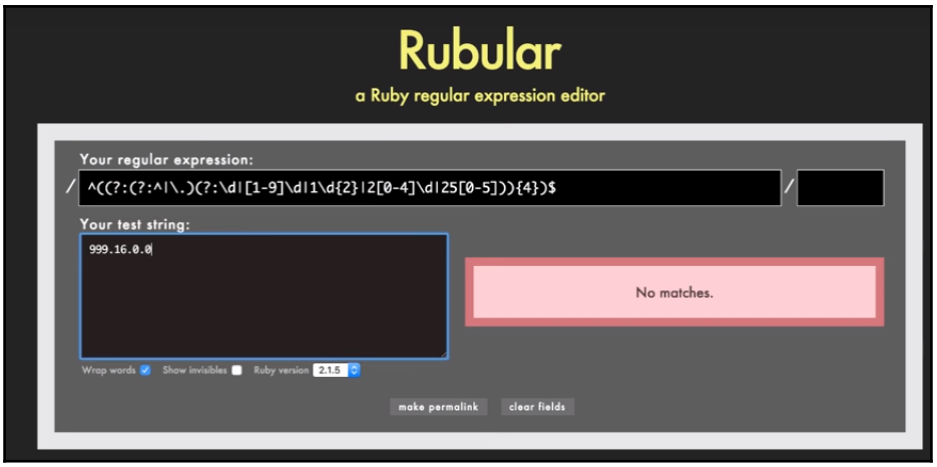
Dependency Inversion Principle

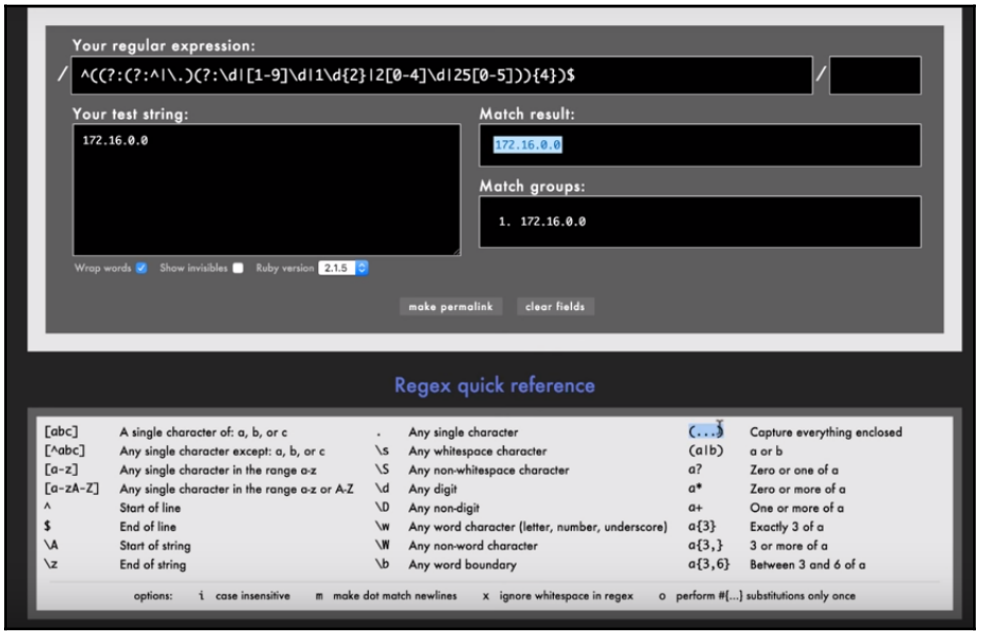
Single Responsibility Principle
Open/Closed Principle
Liskov Substitution Principle
Interface Segregation Principle
Dependency Inversion Principle
High level objects should not depend
on low level implementations

Chapter 12: Regular Expressions in Ruby

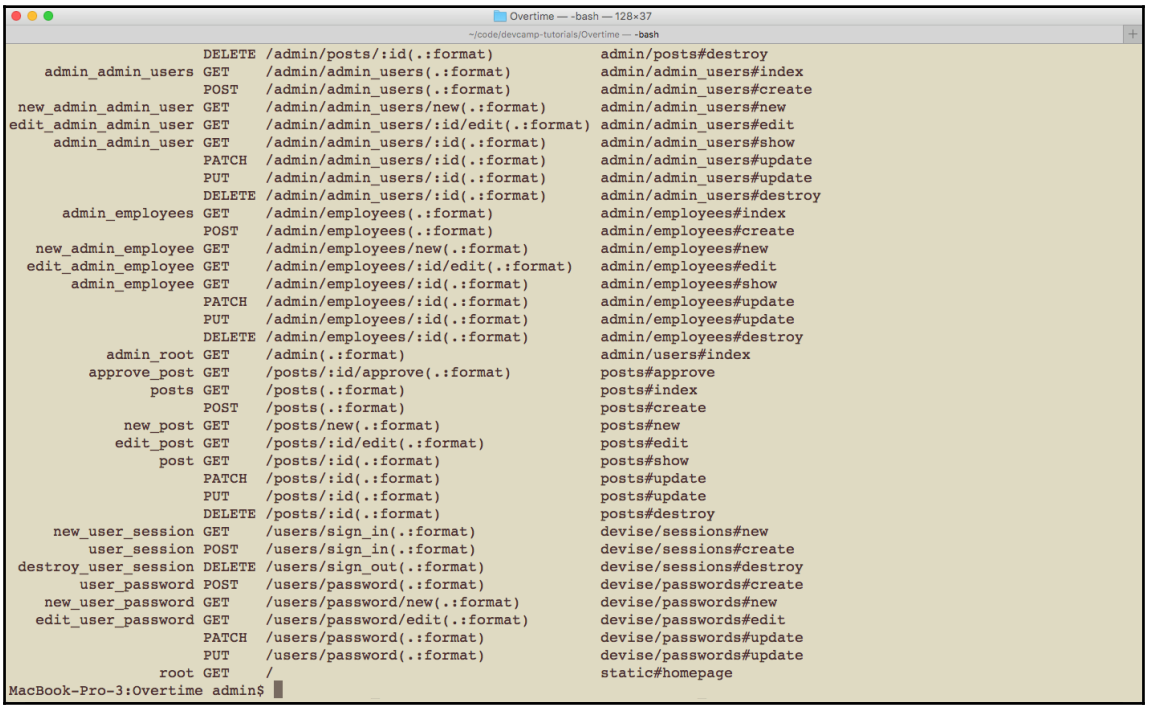
```ruby
class Job < ActiveRecord::Base
  validates_presence_of :req_number, :title, :city, :state, :description, :requi
  has_many :job_applications

  validate :has_valid_email?

  VALID_EMAIL_REGEX = /\A([\w+\-].?)+@[a-z\d\-]+(\.[a-z]+)*\.[a-z]+\z/i

  def has_valid_email?
    self.email =~ VALID_EMAIL_REGEX
  end
end
```

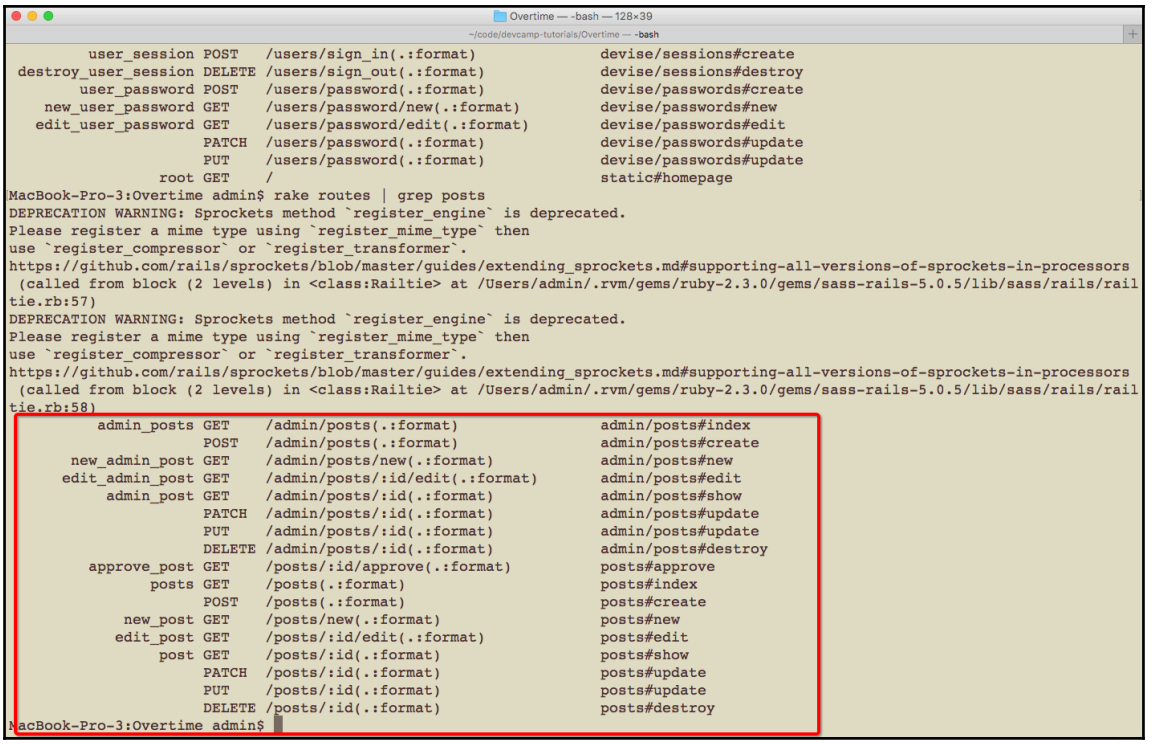



Rubular
a Ruby regular expression editor
Your regular expression:
/ ^((?:(?:^|\.)(?:\d|[1-9]\d|1\d{2}|2[0-4]\d|25[0-5])){4})$ /
Your test string:
999.16.0.0
No matches.
Wrap words
Show invisibles
Ruby version 2.1.5
make permalink
clear fields

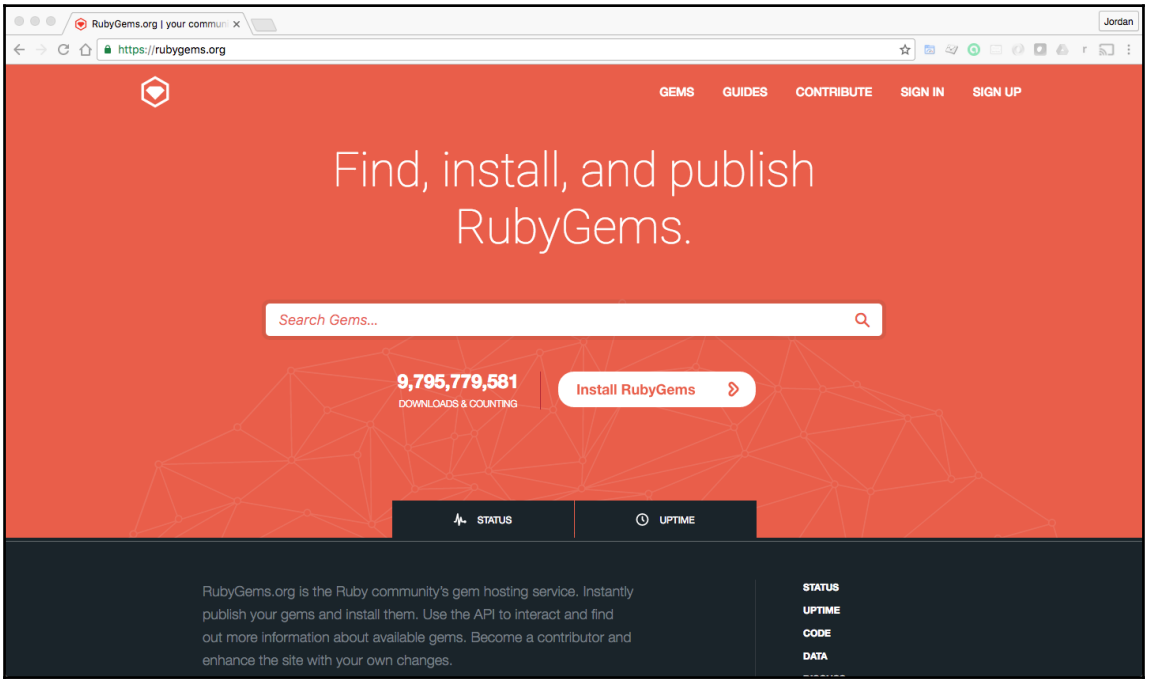

Your regular expression:
/ ^((?:(?:^|\.)(?:\d|[1-9]\d|1\d{2}|2[0-4]\d|25[0-5])){4})$ /
Your test string:
172.16.0.0
Match result:
172.16.0.0
Match groups:
1. 172.16.0.0
Wrap words
Show invisibles
Ruby version 2.1.5
make permalink
clear fields
Regex quick reference
[abc] A single character of: a, b, or c
[^abc] Any single character except: a, b, or c
[a-z] Any single character in the range a-z
[a-zA-Z] Any single character in the range a-z or A-Z
^ Start of line
$ End of line
\A Start of string
\z End of string
. Any single character
\s Any whitespace character
\S Any non-whitespace character
\d Any digit
\D Any non-digit
\w Any word character (letter, number, underscore)
\W Any non-word character
\b Any word boundary
(...) Capture everything enclosed
(a|b) a or b
a? Zero or one of a
a* Zero or more of a
a+ One or more of a
a{3} Exactly 3 of a
a{3,} 3 or more of a
a{3,6} Between 3 and 6 of a
options: i case insensitive m make dot match newlines x ignore whitespace in regex o perform #{...} substitutions only once

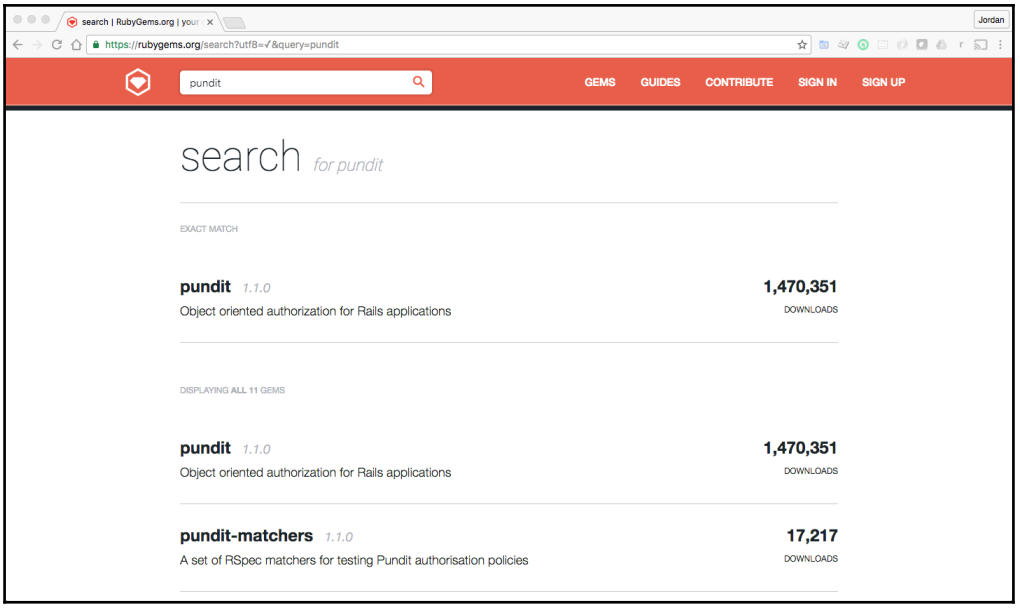
Chapter 13: Searching with grep in Ruby

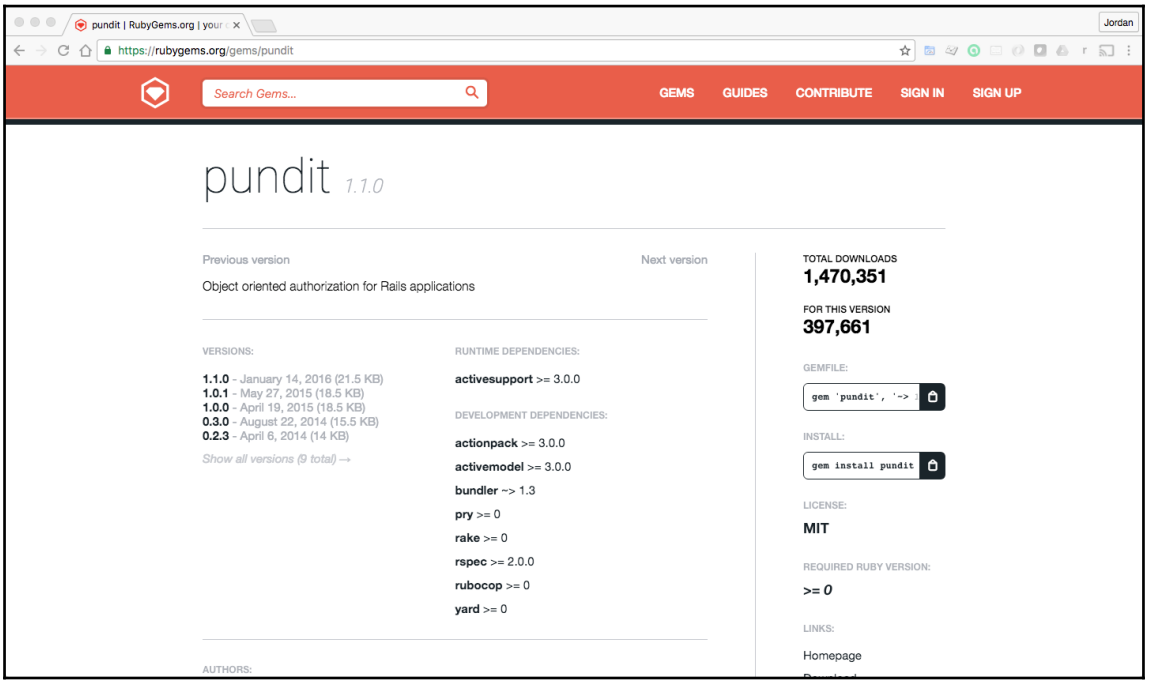



Overtime — -bash — 128×39
~/code/devcamp-tutorials/Overtime — -bash
user_session POST /users/sign_in(.:format) devise/sessions#create
destroy_user_session DELETE /users/sign_out(.:format) devise/sessions#destroy
user_password POST /users/password(.:format) devise/passwords#create
new_user_password GET /users/password/new(.:format) devise/passwords#new
edit_user_password GET /users/password/edit(.:format) devise/passwords#edit
PATCH /users/password(.:format) devise/passwords#update
PUT /users/password(.:format) devise/passwords#update
root GET / static#homepage
MacBook-Pro-3:Overtime admin$ rake routes | grep posts
DEPRECATION WARNING: Sprockets method `register_engine` is deprecated.
Please register a mime type using `register_mime_type` then
use `register_compressor` or `register_transformer`.
https://github.com/rails/sprockets/blob/master/guides/extending_sprockets.md#supporting-all-versions-of-sprockets-in-processors
(called from block (2 levels) in <class:Railtie> at /Users/admin/.rvm/gems/ruby-2.3.0/gems/sass-rails-5.0.5/lib/sass/rails/railtie.rb:57)
DEPRECATION WARNING: Sprockets method `register_engine` is deprecated.
Please register a mime type using `register_mime_type` then
use `register_compressor` or `register_transformer`.
https://github.com/rails/sprockets/blob/master/guides/extending_sprockets.md#supporting-all-versions-of-sprockets-in-processors
(called from block (2 levels) in <class:Railtie> at /Users/admin/.rvm/gems/ruby-2.3.0/gems/sass-rails-5.0.5/lib/sass/rails/railtie.rb:58)
admin_posts GET /admin/posts(.:format) admin/posts#index
POST /admin/posts(.:format) admin/posts#create
new_admin_post GET /admin/posts/new(.:format) admin/posts#new
edit_admin_post GET /admin/posts/:id/edit(.:format) admin/posts#edit
admin_post GET /admin/posts/:id(.:format) admin/posts#show
PATCH /admin/posts/:id(.:format) admin/posts#update
PUT /admin/posts/:id(.:format) admin/posts#update
DELETE /admin/posts/:id(.:format) admin/posts#destroy
approve_post GET /posts/:id/approve(.:format) posts#approve
posts GET /posts(.:format) posts#index
POST /posts(.:format) posts#create
new_post GET /posts/new(.:format) posts#new
edit_post GET /posts/:id/edit(.:format) posts#edit
post GET /posts/:id(.:format) posts#show
PATCH /posts/:id(.:format) posts#update
PUT /posts/:id(.:format) posts#update
DELETE /posts/:id(.:format) posts#destroy
MacBook-Pro-3:Overtime admin$

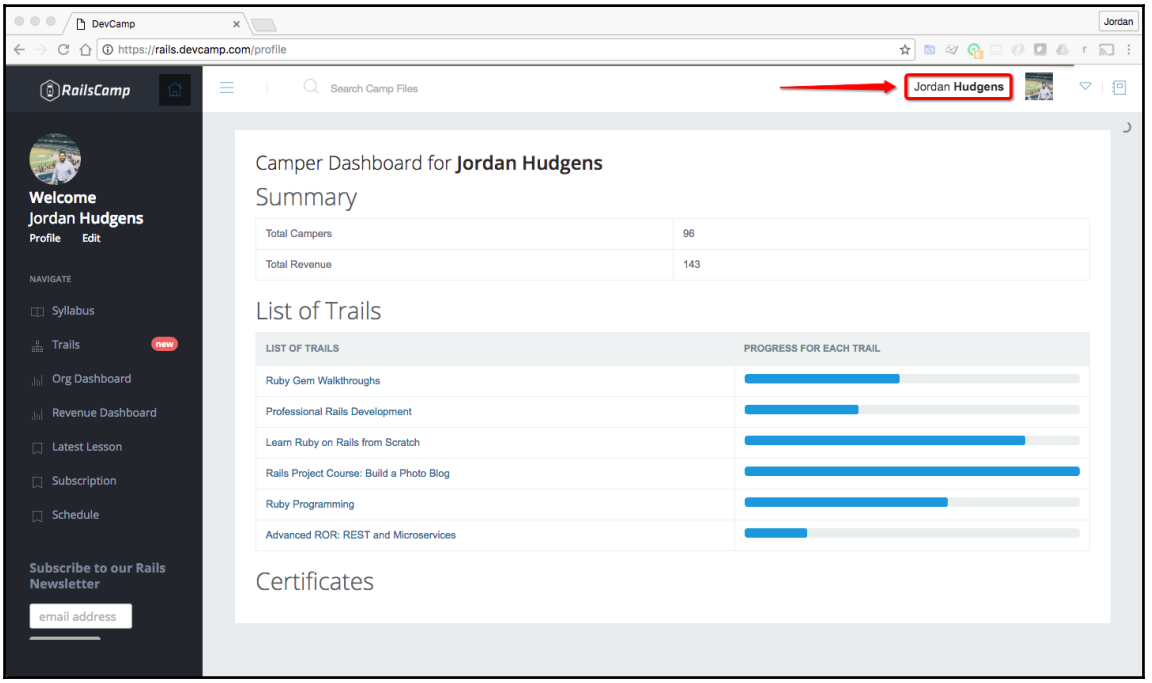
Chapter 14: Ruby Gems

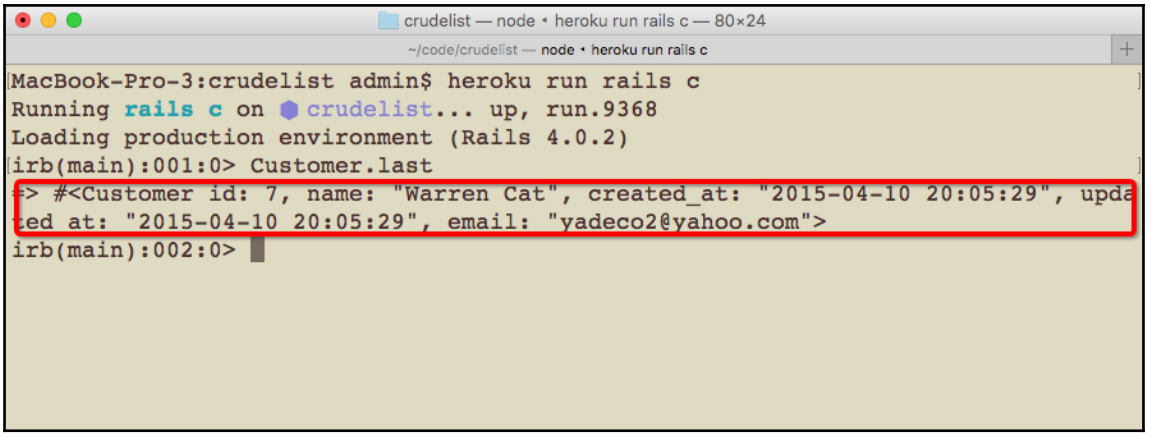


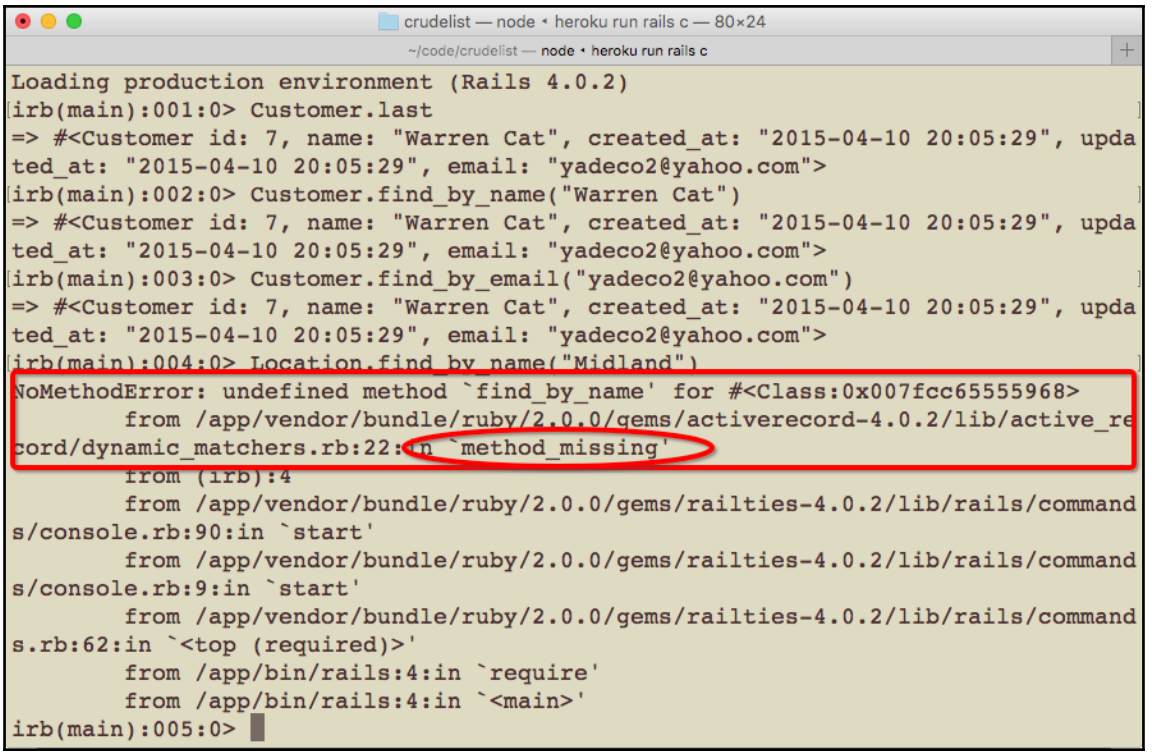

search | RubyGems.org | your
Jordan
https://rubygems.org/search?utf8=✓&query=pundit
pundit
GEMS
GUIDES
CONTRIBUTE
SIGN IN
SIGN UP
search for pundit
EXACT MATCH
pundit 1.1.0
Object oriented authorization for Rails applications
1,470,351
DOWNLOADS
DISPLAYING ALL 11 GEMS
pundit 1.1.0
Object oriented authorization for Rails applications
1,470,351
DOWNLOADS
pundit-matchers 1.1.0
A set of RSpec matchers for testing Pundit authorisation policies
17,217
DOWNLOADS


pundit | RubyGems.org | your
Jordan
https://rubygems.org/gems/pundit
Search Gems...
GEMS
GUIDES
CONTRIBUTE
SIGN IN
SIGN UP
pundit 1.1.0
Previous version
Next version
Object oriented authorization for Rails applications
VERSIONS:
1.1.0 - January 14, 2016 (21.5 KB)
1.0.1 - May 27, 2015 (18.5 KB)
1.0.0 - April 19, 2015 (18.5 KB)
0.3.0 - August 22, 2014 (15.5 KB)
0.2.3 - April 6, 2014 (14 KB)
Show all versions (9 total) →
RUNTIME DEPENDENCIES:
activesupport >= 3.0.0
DEVELOPMENT DEPENDENCIES:
actionpack >= 3.0.0
activemodel >= 3.0.0
bundler ~> 1.3
pry >= 0
rake >= 0
rspec >= 2.0.0
rubocop >= 0
yard >= 0
AUTHORS:
TOTAL DOWNLOADS
1,470,351
FOR THIS VERSION
397,661
GEMFILE:
gem 'pundit', '~>
INSTALL:
gem install pundit
LICENSE:
MIT
REQUIRED RUBY VERSION:
>= 0
LINKS:
Homepage

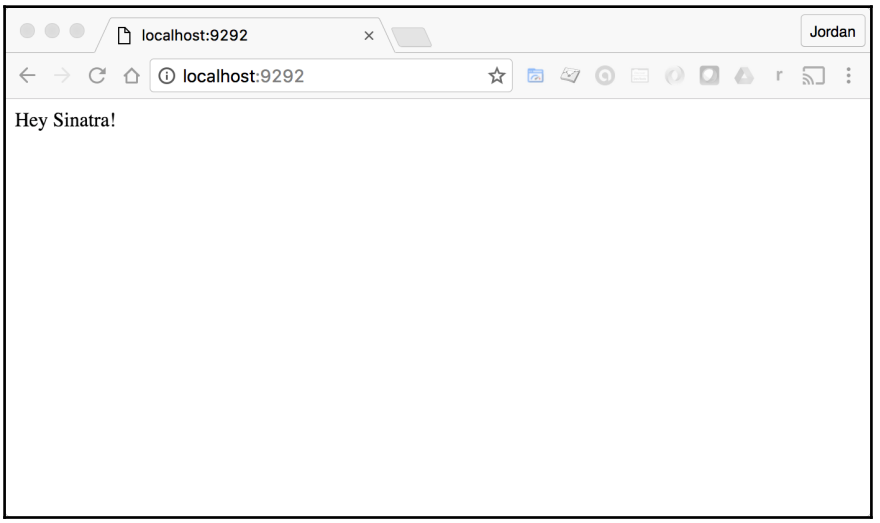
Chapter 15: Ruby Metaprogramming

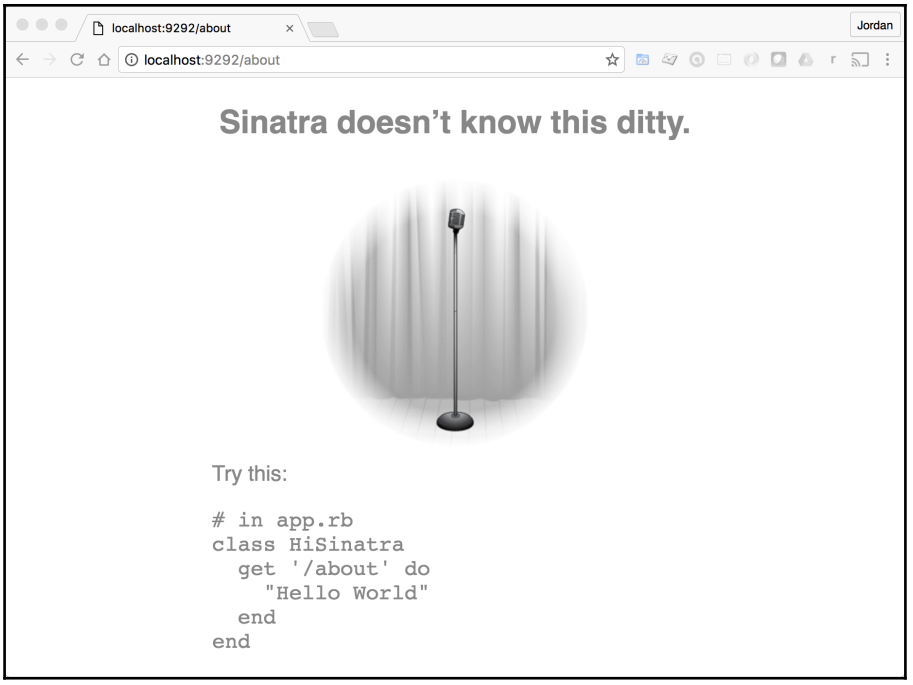




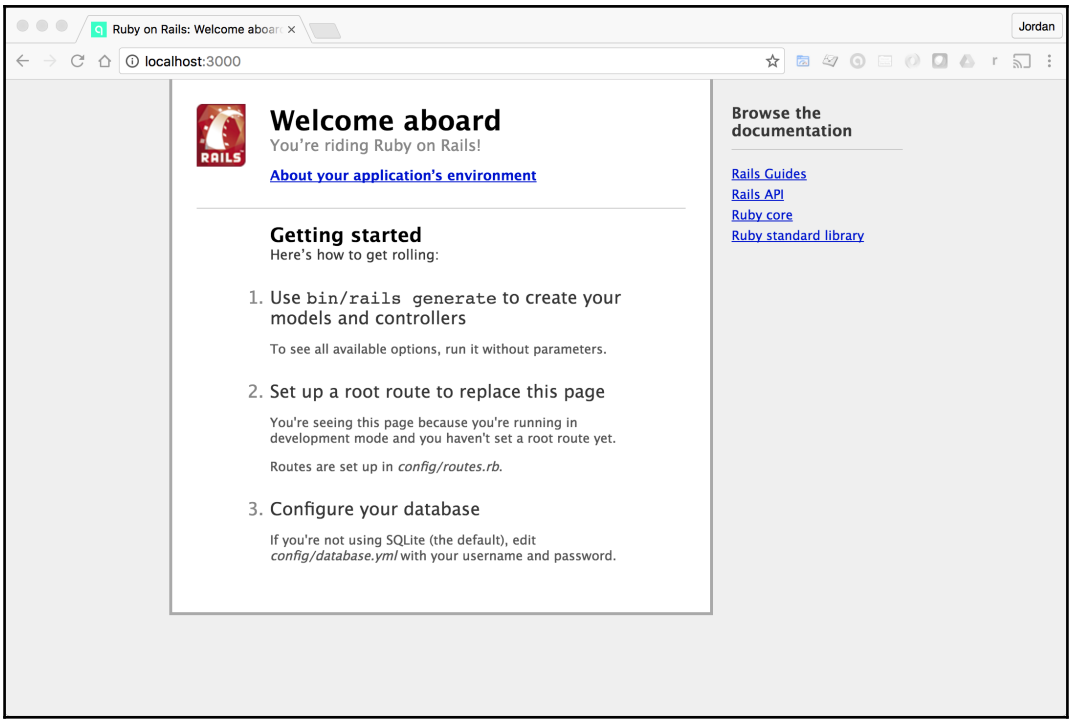

crudelist — node • heroku run rails c — 80×24
~/code/crudelist — node • heroku run rails c
Loading production environment (Rails 4.0.2)
irb(main):001:0> Customer.last
=> #<Customer id: 7, name: "Warren Cat", created_at: "2015-04-10 20:05:29", upda
ted_at: "2015-04-10 20:05:29", email: "yadeco2@yahoo.com">
irb(main):002:0> Customer.find_by_name("Warren Cat")
=> #<Customer id: 7, name: "Warren Cat", created_at: "2015-04-10 20:05:29", upda
ted_at: "2015-04-10 20:05:29", email: "yadeco2@yahoo.com">
irb(main):003:0> Customer.find_by_email("yadeco2@yahoo.com")
=> #<Customer id: 7, name: "Warren Cat", created_at: "2015-04-10 20:05:29", upda
ted_at: "2015-04-10 20:05:29", email: "yadeco2@yahoo.com">
irb(main):004:0> Location.find_by_name("Midland")
NoMethodError: undefined method `find_by_name' for #<Class:0x007fcc65555968>
from /app/vendor/bundle/ruby/2.0.0/gems/activerecord-4.0.2/lib/active_re
cord/dynamic_matchers.rb:22:in `method_missing'
from (irb):4
from /app/vendor/bundle/ruby/2.0.0/gems/railties-4.0.2/lib/rails/command
s/console.rb:90:in `start'
from /app/vendor/bundle/ruby/2.0.0/gems/railties-4.0.2/lib/rails/command
s/console.rb:9:in `start'
from /app/vendor/bundle/ruby/2.0.0/gems/railties-4.0.2/lib/rails/command
s.rb:62:in `<top (required)>'
from /app/bin/rails:4:in `require'
from /app/bin/rails:4:in `<main>'
irb(main):005:0>

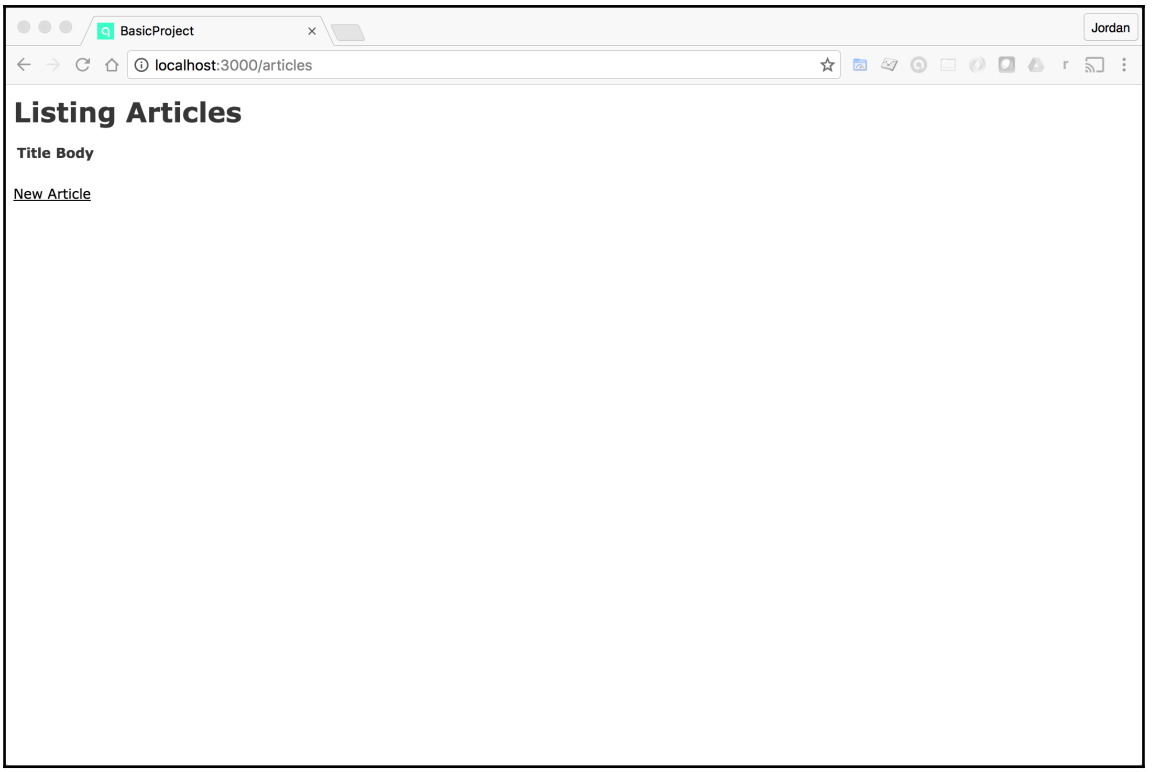
Chapter 16: Ruby Web Frameworks

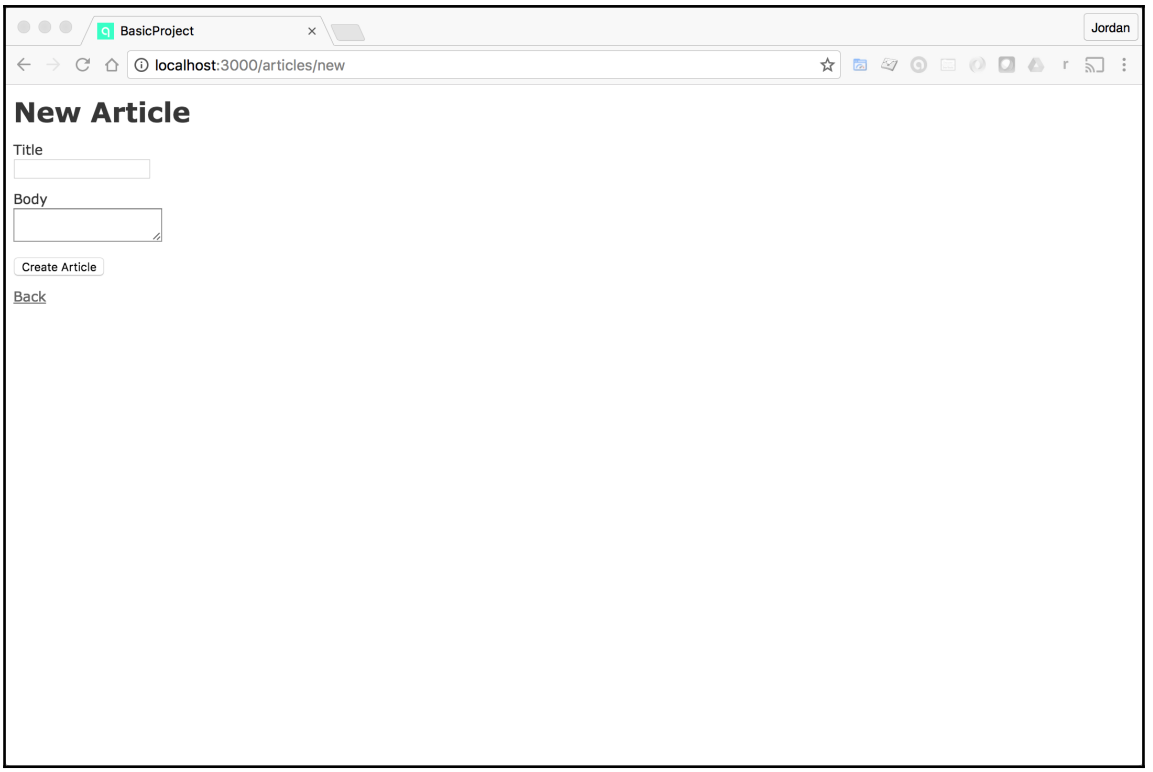




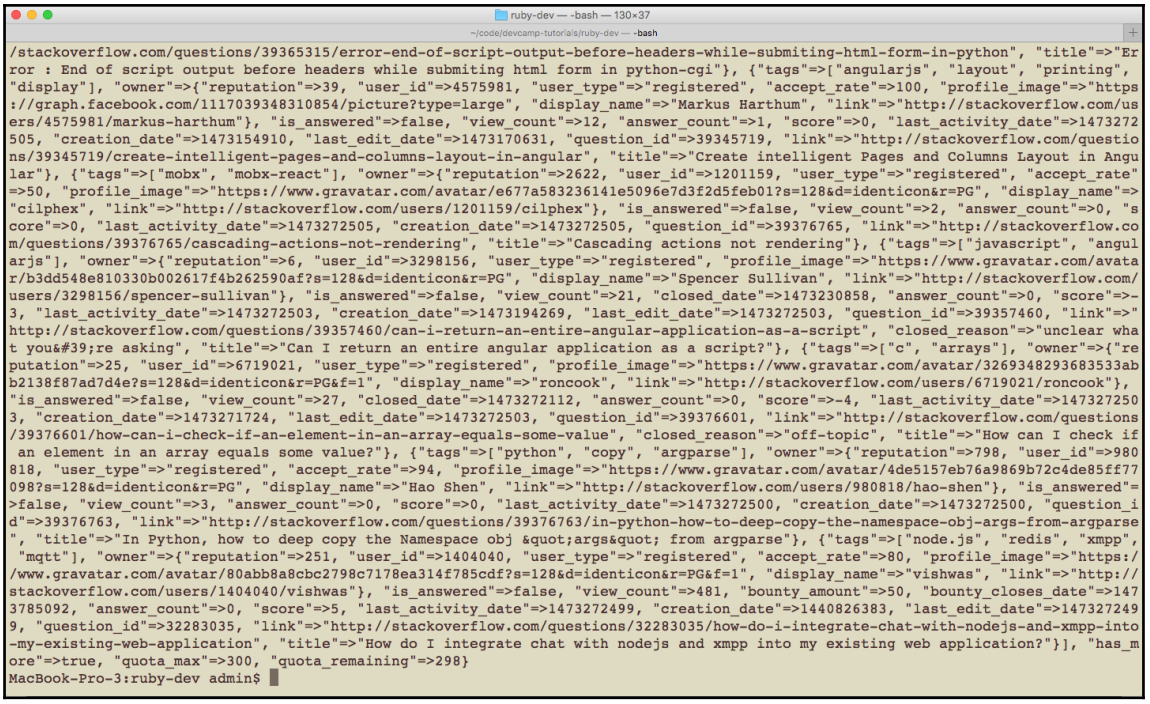
```
      create  public/favicon.ico
      create  public/robots.txt
      create  test/fixtures
      create  test/fixtures/.keep
      create  test/controllers
      create  test/controllers/.keep
      create  test/mailers
      create  test/mailers/.keep
      create  test/models
      create  test/models/.keep
      create  test/helpers
      create  test/helpers/.keep
      create  test/integration
      create  test/integration/.keep
      create  test/test_helper.rb
      create  tmp/cache
      create  tmp/cache/assets
      create  vendor/assets/javascripts
      create  vendor/assets/javascripts/.keep
      create  vendor/assets/stylesheets
      create  vendor/assets/stylesheets/.keep
         run  bundle install
Fetching gem metadata from https://rubygems.org/...........
Fetching additional metadata from https://rubygems.org/..
Resolving dependencies...
Using rake 10.5.0
Using i18n 0.7.0
Using json 1.8.3
Using minitest 5.8.3
Using thread_safe 0.3.5
Using tzinfo 1.2.2
Using activesupport 4.2.5
Using builder 3.2.2
Using erubis 2.7.0
Using mini_portile2 2.0.0
```

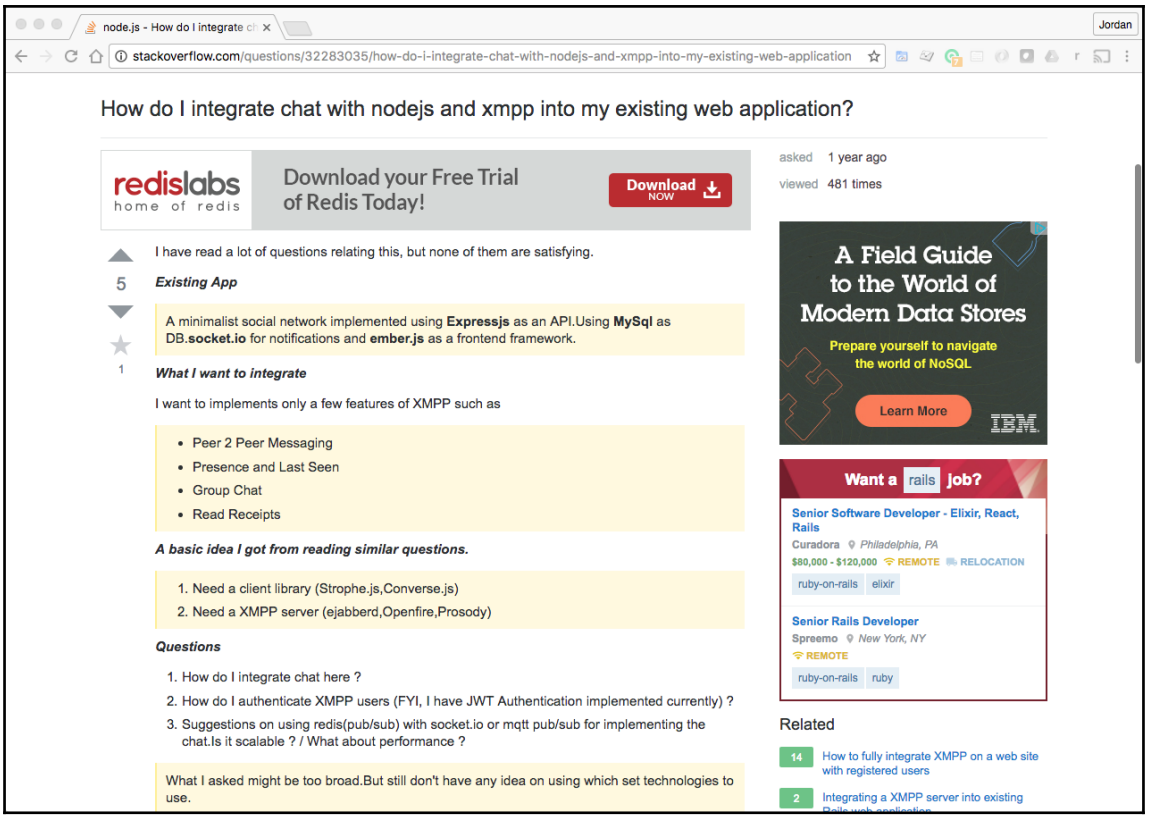

Ruby on Rails: Welcome aboar
Jordan
localhost:3000
Welcome aboard
You're riding Ruby on Rails!
About your application's environment
Getting started
Here's how to get rolling:
1. Use bin/rails generate to create your models and controllers
To see all available options, run it without parameters.
2. Set up a root route to replace this page
You're seeing this page because you're running in development mode and you haven't set a root route yet.
Routes are set up in config/routes.rb.
3. Configure your database
If you're not using SQLite (the default), edit config/database.yml with your username and password.
Browse the documentation
Rails Guides
Rails API
Ruby core
Ruby standard library

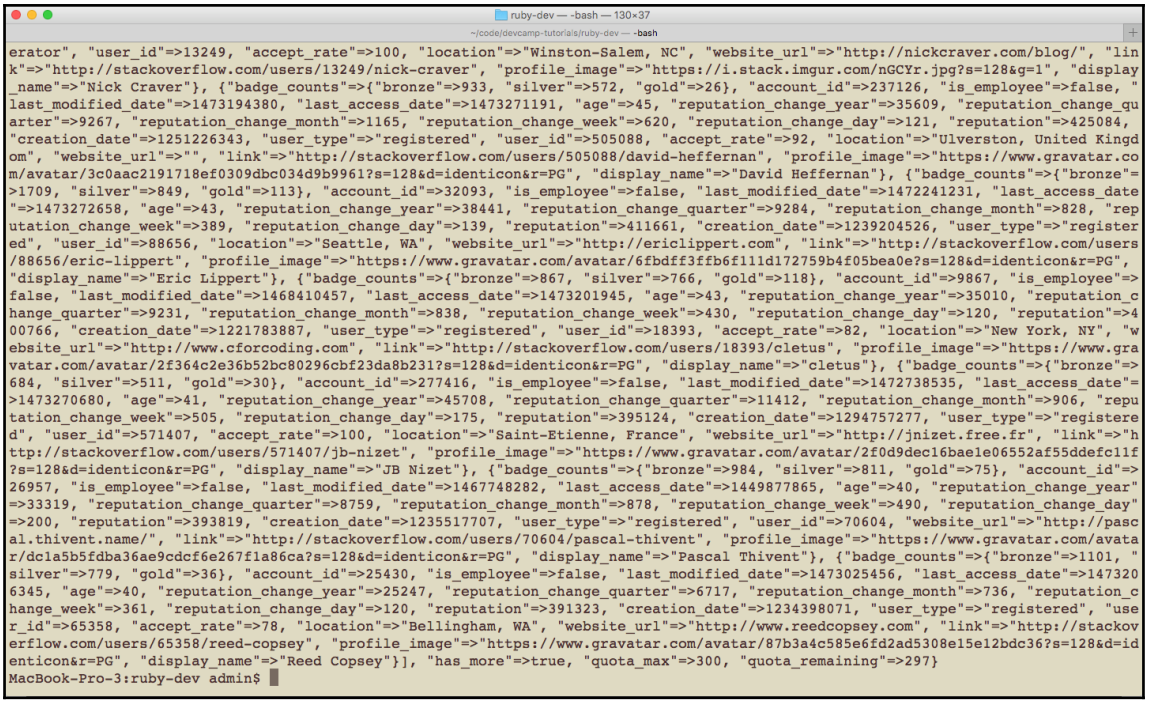

BasicProject
Jordan
localhost:3000/articles
Listing Articles
Title Body
New Article


BasicProject
Jordan
localhost:3000/articles/new
New Article
Title
Body
Create Article
Back

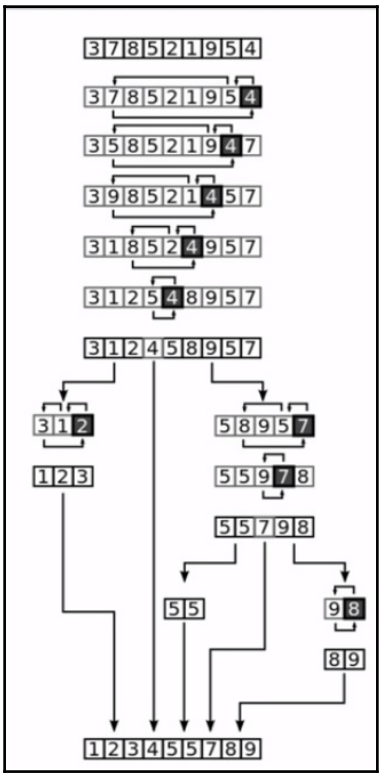
Chapter 17: Working with APIs in Ruby


ruby-dev — -bash — 130×37
~/code/devcamp-tutorials/ruby-dev — -bash
/stackoverflow.com/questions/39365315/error-end-of-script-output-before-headers-while-submiting-html-form-in-python", "title"=>"Error : End of script output before headers while submiting html form in python-cgi"}, {"tags"=>["angularjs", "layout", "printing", "display"], "owner"=>{"reputation"=>39, "user_id"=>4575981, "user_type"=>"registered", "accept_rate"=>100, "profile_image"=>"https://graph.facebook.com/1117039348310854/picture?type=large", "display_name"=>"Markus Harthum", "link"=>"http://stackoverflow.com/users/4575981/markus-harthum"}, "is_answered"=>false, "view_count"=>12, "answer_count"=>1, "score"=>0, "last_activity_date"=>1473272505, "creation_date"=>1473154910, "last_edit_date"=>1473170631, "question_id"=>39345719, "link"=>"http://stackoverflow.com/questions/39345719/create-intelligent-pages-and-columns-layout-in-angular", "title"=>"Create intelligent Pages and Columns Layout in Angular"}, {"tags"=>["mobx", "mobx-react"], "owner"=>{"reputation"=>2622, "user_id"=>1201159, "user_type"=>"registered", "accept_rate"=>50, "profile_image"=>"https://www.gravatar.com/avatar/e677a583236141e5096e7d3f2d5feb01?s=128&d=identicon&r=PG", "display_name"=>"cilphex", "link"=>"http://stackoverflow.com/users/1201159/cilphex"}, "is_answered"=>false, "view_count"=>2, "answer_count"=>0, "score"=>0, "last_activity_date"=>1473272505, "creation_date"=>1473272505, "question_id"=>39376765, "link"=>"http://stackoverflow.com/questions/39376765/cascading-actions-not-rendering", "title"=>"Cascading actions not rendering"}, {"tags"=>["javascript", "angularjs"], "owner"=>{"reputation"=>6, "user_id"=>3298156, "user_type"=>"registered", "profile_image"=>"https://www.gravatar.com/avatar/b3dd548e810330b002617f4b262590af?s=128&d=identicon&r=PG", "display_name"=>"Spencer Sullivan", "link"=>"http://stackoverflow.com/users/3298156/spencer-sullivan"}, "is_answered"=>false, "view_count"=>21, "closed_date"=>1473230858, "answer_count"=>0, "score"=>-3, "last_activity_date"=>1473272503, "creation_date"=>1473194269, "last_edit_date"=>1473272503, "question_id"=>39357460, "link"=>"http://stackoverflow.com/questions/39357460/can-i-return-an-entire-angular-application-as-a-script", "closed_reason"=>"unclear what you're asking", "title"=>"Can I return an entire angular application as a script?"}, {"tags"=>["c", "arrays"], "owner"=>{"reputation"=>25, "user_id"=>6719021, "user_type"=>"registered", "profile_image"=>"https://www.gravatar.com/avatar/3269348293683533abb2138f87ad7d4e?s=128&d=identicon&r=PG&f=1", "display_name"=>"roncook", "link"=>"http://stackoverflow.com/users/6719021/roncook"}, "is_answered"=>false, "view_count"=>27, "closed_date"=>1473272112, "answer_count"=>0, "score"=>-4, "last_activity_date"=>1473272503, "creation_date"=>1473271724, "last_edit_date"=>1473272503, "question_id"=>39376601, "link"=>"http://stackoverflow.com/questions/39376601/how-can-i-check-if-an-element-in-an-array-equals-some-value", "closed_reason"=>"off-topic", "title"=>"How can I check if an element in an array equals some value?"}, {"tags"=>["python", "copy", "argparse"], "owner"=>{"reputation"=>798, "user_id"=>980818, "user_type"=>"registered", "accept_rate"=>94, "profile_image"=>"https://www.gravatar.com/avatar/4de5157eb76a9869b72c4de85ff77098?s=128&d=identicon&r=PG", "display_name"=>"Hao Shen", "link"=>"http://stackoverflow.com/users/980818/hao-shen"}, "is_answered"=>false, "view_count"=>3, "answer_count"=>0, "score"=>0, "last_activity_date"=>1473272500, "creation_date"=>1473272500, "question_id"=>39376763, "link"=>"http://stackoverflow.com/questions/39376763/in-python-how-to-deep-copy-the-namespace-obj-args-from-argparse", "title"=>"In Python, how to deep copy the Namespace obj "args" from argparse"}, {"tags"=>["node.js", "redis", "xmpp", "mqtt"], "owner"=>{"reputation"=>251, "user_id"=>1404040, "user_type"=>"registered", "accept_rate"=>80, "profile_image"=>"https://www.gravatar.com/avatar/80abb8a8cbc2798c7178ea314f785cdf?s=128&d=identicon&r=PG&f=1", "display_name"=>"vishwas", "link"=>"http://stackoverflow.com/users/1404040/vishwas"}, "is_answered"=>false, "view_count"=>481, "bounty_amount"=>50, "bounty_closes_date"=>1473785092, "answer_count"=>0, "score"=>5, "last_activity_date"=>1473272499, "creation_date"=>1440826383, "last_edit_date"=>1473272499, "question_id"=>32283035, "link"=>"http://stackoverflow.com/questions/32283035/how-do-i-integrate-chat-with-nodejs-and-xmpp-into-my-existing-web-application", "title"=>"How do I integrate chat with nodejs and xmpp into my existing web application?"}], "has_more"=>true, "quota_max"=>300, "quota_remaining"=>298}
MacBook-Pro-3:ruby-dev admin$

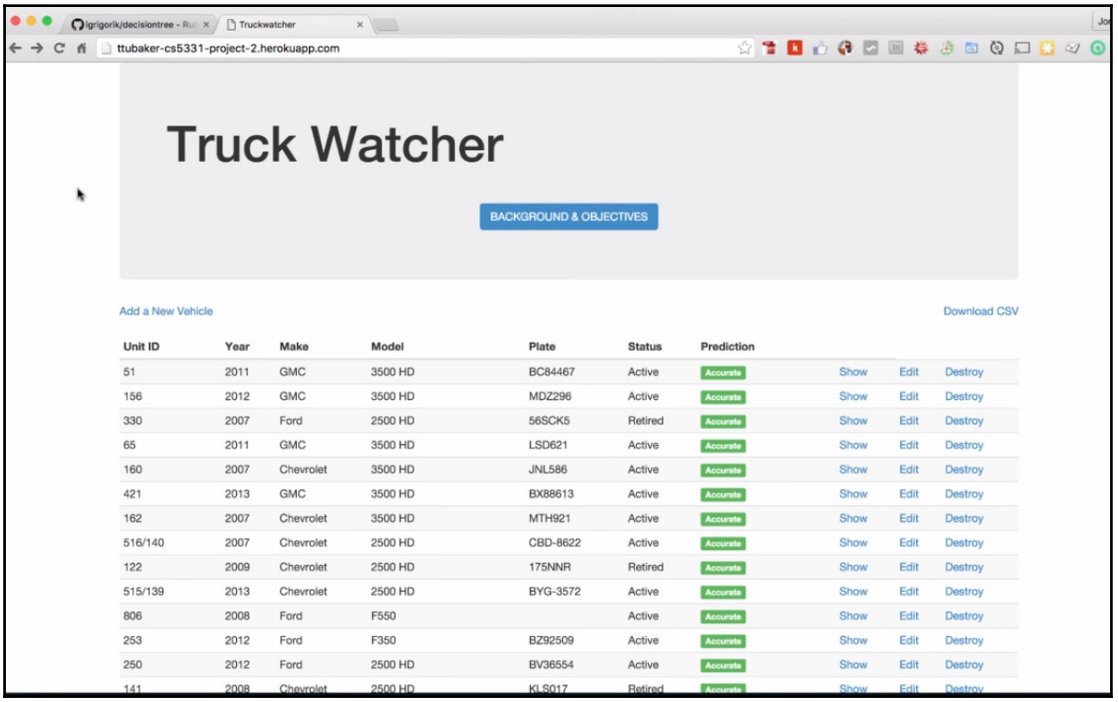

node.js - How do I integrate ch
Jordan
stackoverflow.com/questions/32283035/how-do-i-integrate-chat-with-nodejs-and-xmpp-into-my-existing-web-application
How do I integrate chat with nodejs and xmpp into my existing web application?
redislabs
home of redis
Download your Free Trial of Redis Today!
Download NOW
asked 1 year ago
viewed 481 times
5
1
I have read a lot of questions relating this, but none of them are satisfying.
Existing App
A minimalist social network implemented using Expressjs as an API.Using MySql as DB.socket.io for notifications and ember.js as a frontend framework.
What I want to integrate
I want to implements only a few features of XMPP such as
Peer 2 Peer Messaging
Presence and Last Seen
Group Chat
Read Receipts
A basic idea I got from reading similar questions.
1. Need a client library (Strophe.js,Converse.js)
2. Need a XMPP server (ejabberd,Openfire,Prosody)
Questions
1. How do I integrate chat here ?
2. How do I authenticate XMPP users (FYI, I have JWT Authentication implemented currently) ?
3. Suggestions on using redis(pub/sub) with socket.io or mqtt pub/sub for implementing the chat.Is it scalable ? / What about performance ?
What I asked might be too broad.But still don't have any idea on using which set technologies to use.
A Field Guide to the World of Modern Data Stores
Prepare yourself to navigate the world of NoSQL
Learn More
IBM
Want a rails job?
Senior Software Developer - Elixir, React, Rails
Curadora Philadelphia, PA
$80,000 - $120,000 REMOTE RELOCATION
ruby-on-rails elixir
Senior Rails Developer
Spreemo New York, NY
REMOTE
ruby-on-rails ruby
Related
14 How to fully integrate XMPP on a web site with registered users
2 Integrating a XMPP server into existing


ruby-dev — -bash — 130×37
~/code/devcamp-tutorials/ruby-dev — -bash
erator", "user_id"=>13249, "accept_rate"=>100, "location"=>"Winston-Salem, NC", "website_url"=>"http://nickcraver.com/blog/", "lin
k"=>"http://stackoverflow.com/users/13249/nick-craver", "profile_image"=>"https://i.stack.imgur.com/nGCYr.jpg?s=128&g=1", "display
_name"=>"Nick Craver"}, {"badge_counts"=>{"bronze"=>933, "silver"=>572, "gold"=>26}, "account_id"=>237126, "is_employee"=>false, "
last_modified_date"=>1473194380, "last_access_date"=>1473271191, "age"=>45, "reputation_change_year"=>35609, "reputation_change_qu
arter"=>9267, "reputation_change_month"=>1165, "reputation_change_week"=>620, "reputation_change_day"=>121, "reputation"=>425084,
"creation_date"=>1251226343, "user_type"=>"registered", "user_id"=>505088, "accept_rate"=>92, "location"=>"Ulverston, United Kingd
om", "website_url"=>"", "link"=>"http://stackoverflow.com/users/505088/david-heffernan", "profile_image"=>"https://www.gravatar.co
m/avatar/3c0aac2191718ef0309dbc034d9b9961?s=128&d=identicon&r=PG", "display_name"=>"David Heffernan"}, {"badge_counts"=>{"bronze"=
>1709, "silver"=>849, "gold"=>113}, "account_id"=>32093, "is_employee"=>false, "last_modified_date"=>1472241231, "last_access_date
"=>1473272658, "age"=>43, "reputation_change_year"=>38441, "reputation_change_quarter"=>9284, "reputation_change_month"=>828, "rep
utation_change_week"=>389, "reputation_change_day"=>139, "reputation"=>411661, "creation_date"=>1239204526, "user_type"=>"register
ed", "user_id"=>88656, "location"=>"Seattle, WA", "website_url"=>"http://ericlippert.com", "link"=>"http://stackoverflow.com/users
/88656/eric-lippert", "profile_image"=>"https://www.gravatar.com/avatar/6fbdff3ffb6f111d172759b4f05bea0e?s=128&d=identicon&r=PG",
"display_name"=>"Eric Lippert"}, {"badge_counts"=>{"bronze"=>867, "silver"=>766, "gold"=>118}, "account_id"=>9867, "is_employee"=>
false, "last_modified_date"=>1468410457, "last_access_date"=>1473201945, "age"=>43, "reputation_change_year"=>35010, "reputation_c
hange_quarter"=>9231, "reputation_change_month"=>838, "reputation_change_week"=>430, "reputation_change_day"=>120, "reputation"=>4
00766, "creation_date"=>1221783887, "user_type"=>"registered", "user_id"=>18393, "accept_rate"=>82, "location"=>"New York, NY", "w
ebsite_url"=>"http://www.cforcoding.com", "link"=>"http://stackoverflow.com/users/18393/cletus", "profile_image"=>"https://www.gra
vatar.com/avatar/2f364c2e36b52bc80296cbf23da8b231?s=128&d=identicon&r=PG", "display_name"=>"cletus"}, {"badge_counts"=>{"bronze"=>
684, "silver"=>511, "gold"=>30}, "account_id"=>277416, "is_employee"=>false, "last_modified_date"=>1472738535, "last_access_date"=
>1473270680, "age"=>41, "reputation_change_year"=>45708, "reputation_change_quarter"=>11412, "reputation_change_month"=>906, "repu
tation_change_week"=>505, "reputation_change_day"=>175, "reputation"=>395124, "creation_date"=>1294757277, "user_type"=>"registere
d", "user_id"=>571407, "accept_rate"=>100, "location"=>"Saint-Etienne, France", "website_url"=>"http://jnizet.free.fr", "link"=>"h
ttp://stackoverflow.com/users/571407/jb-nizet", "profile_image"=>"https://www.gravatar.com/avatar/2f0d9dec16ba1e06552af55ddefc11f
?s=128&d=identicon&r=PG", "display_name"=>"JB Nizet"}, {"badge_counts"=>{"bronze"=>984, "silver"=>811, "gold"=>75}, "account_id"=>
26957, "is_employee"=>false, "last_modified_date"=>1467748282, "last_access_date"=>1449877865, "age"=>40, "reputation_change_year"
=>33319, "reputation_change_quarter"=>8759, "reputation_change_month"=>878, "reputation_change_week"=>490, "reputation_change_day"
=>200, "reputation"=>393819, "creation_date"=>1235517707, "user_type"=>"registered", "user_id"=>70604, "website_url"=>"http://pasc
al.thivent.name/", "link"=>"http://stackoverflow.com/users/70604/pascal-thivent", "profile_image"=>"https://www.gravatar.com/avata
r/dc1a5b5fdba36ae9cdcf6e267f1a86ca?s=128&d=identicon&r=PG", "display_name"=>"Pascal Thivent"}, {"badge_counts"=>{"bronze"=>1101, "
silver"=>779, "gold"=>36}, "account_id"=>25430, "is_employee"=>false, "last_modified_date"=>1473025456, "last_access_date"=>147320
6345, "age"=>40, "reputation_change_year"=>25247, "reputation_change_quarter"=>6717, "reputation_change_month"=>736, "reputation_c
hange_week"=>361, "reputation_change_day"=>120, "reputation"=>391323, "creation_date"=>1234398071, "user_type"=>"registered", "use
r_id"=>65358, "accept_rate"=>78, "location"=>"Bellingham, WA", "website_url"=>"http://www.reedcopsey.com", "link"=>"http://stackov
erflow.com/users/65358/reed-copsey", "profile_image"=>"https://www.gravatar.com/avatar/87b3a4c585e6fd2ad5308e15e12bdc36?s=128&d=id
enticon&r=PG", "display_name"=>"Reed Copsey"}], "has_more"=>true, "quota_max"=>300, "quota_remaining"=>297}
MacBook-Pro-3:ruby-dev admin$

Chapter 18: Ruby Algorithms



Chapter 19: Machine Learning



86	2008	Chevrolet	2500 HD	30GPP7	Active	Accurate	Show	Edit	Destroy
308	2010	Chevrolet	1500	76D6301	Active	Accurate	Show	Edit	Destroy
235	2012	GMC	3500 HD	BX48969	Active	Accurate	Show	Edit	Destroy
317	2008	Chevrolet	2500 HD	07YHZ6	Active	Accurate	Show	Edit	Destroy
76	2006	Chevrolet	1500	29CBR4	Active	Accurate	Show	Edit	Destroy
61	2009	Chevrolet	3500 HD	5786AP	Active	Accurate	Show	Edit	Destroy
80	2009	Chevrolet	2500 HD	AJ47557	Retired	Accurate	Show	Edit	Destroy
151	2007	Chevrolet	1500	JJJ929	Retired	Accurate	Show	Edit	Destroy
23	2008	Chevrolet	3500 HD	28PDS8	Retired	Accurate	Show	Edit	Destroy
101	2011	Chevrolet	2500 HD	BB80856	Active	Accurate	Show	Edit	Destroy
278	2010	Ford	2500 HD	AK71548	Active	Accurate	Show	Edit	Destroy
21	2007	Chevrolet	1500	09LBP7	Active	Accurate	Show	Edit	Destroy
228	2012	Chevrolet	2500 HD	MDZ298	Active	Accurate	Show	Edit	Destroy
342	2008	Ford	F-250 Super Duty	88ZHD8	Active	Accurate	Show	Edit	Destroy
138	2008	Chevrolet	2500 HD	KJB451	Retired	Accurate	Show	Edit	Destroy
20	2010	Chevrolet	2500 HD	AJ62783	Active	Needs Attention	Show	Edit	Destroy
345	2008	Chevrolet	1500	MSA944	Retired	Accurate	Show	Edit	Destroy
334	2008	Ford	2500 HD	947RLR	Active	Accurate	Show	Edit	Destroy
198	2008	Chevrolet	1500	KJK061	Active	Accurate	Show	Edit	Destroy
359	2008	Ford	2500 HD	11LDK7	Retired	Accurate	Show	Edit	Destroy

Unit: 20

Year: 2010

Make: Chevrolet

Model: 2500 HD

Plate: AJ62783

Mileage: 121056

Vin: 1GC5KVBG6AZ247592

Category: Service

Color: White

Status: Active

Equipment: 20 - 2010 Chevrolet 2500

Fuel: Gasoline

Weight:

Transmission: Automatic

Custom: 14ST20

Purchase code:

Purchase price: 30899.0

Start cost: 30899.0

Virtual meter: 121056

Repairs: 3

Services: 13