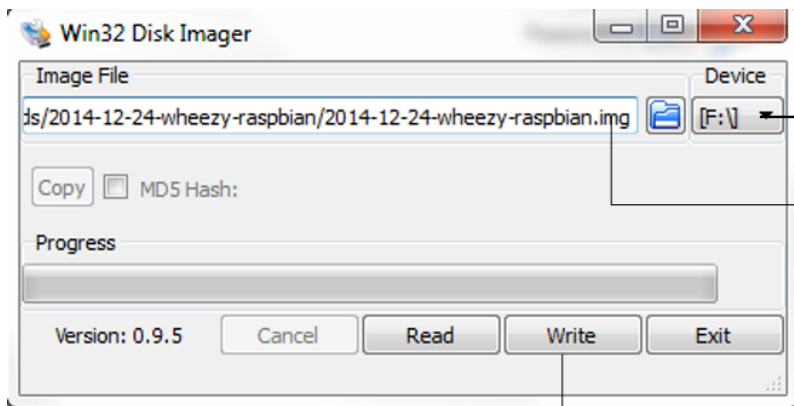
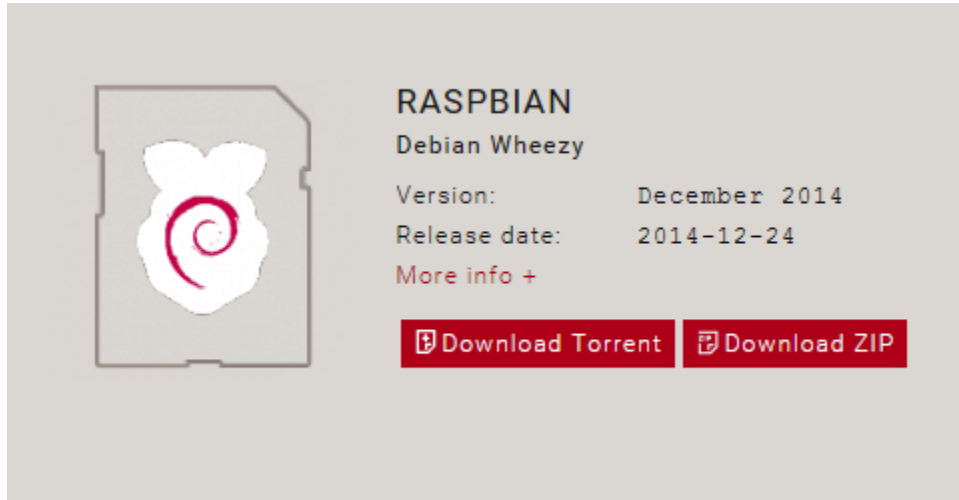


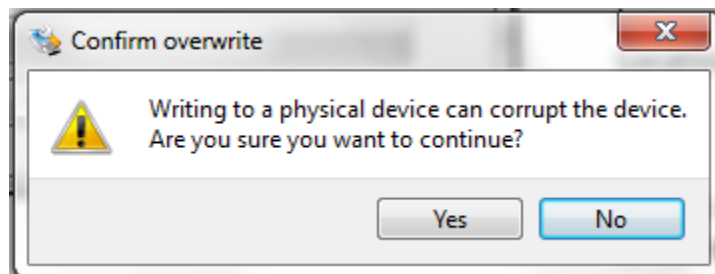
# Chapter 1

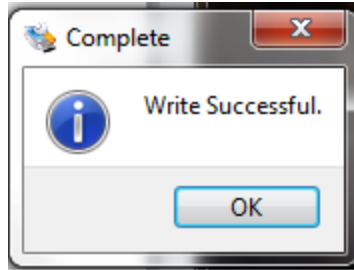


1. Select Drive

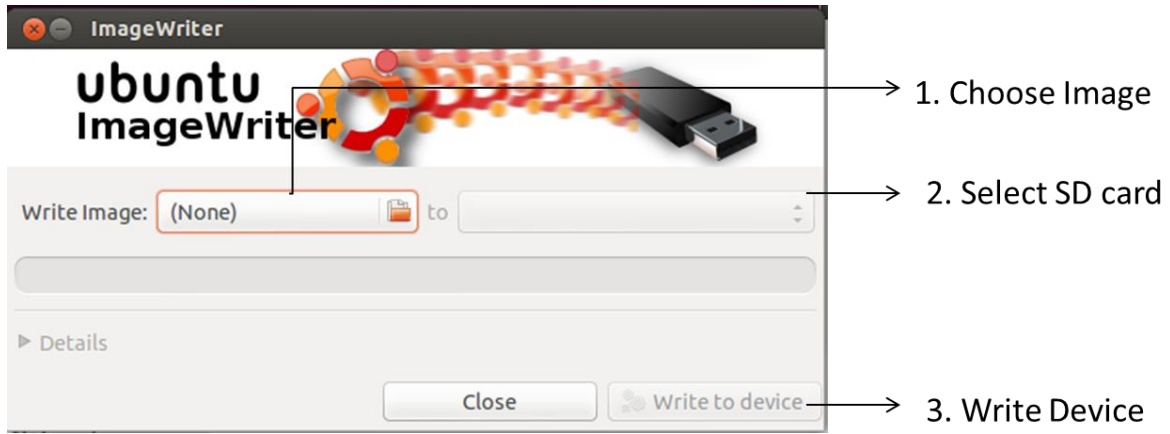
2. Insert Raspbian Image Location

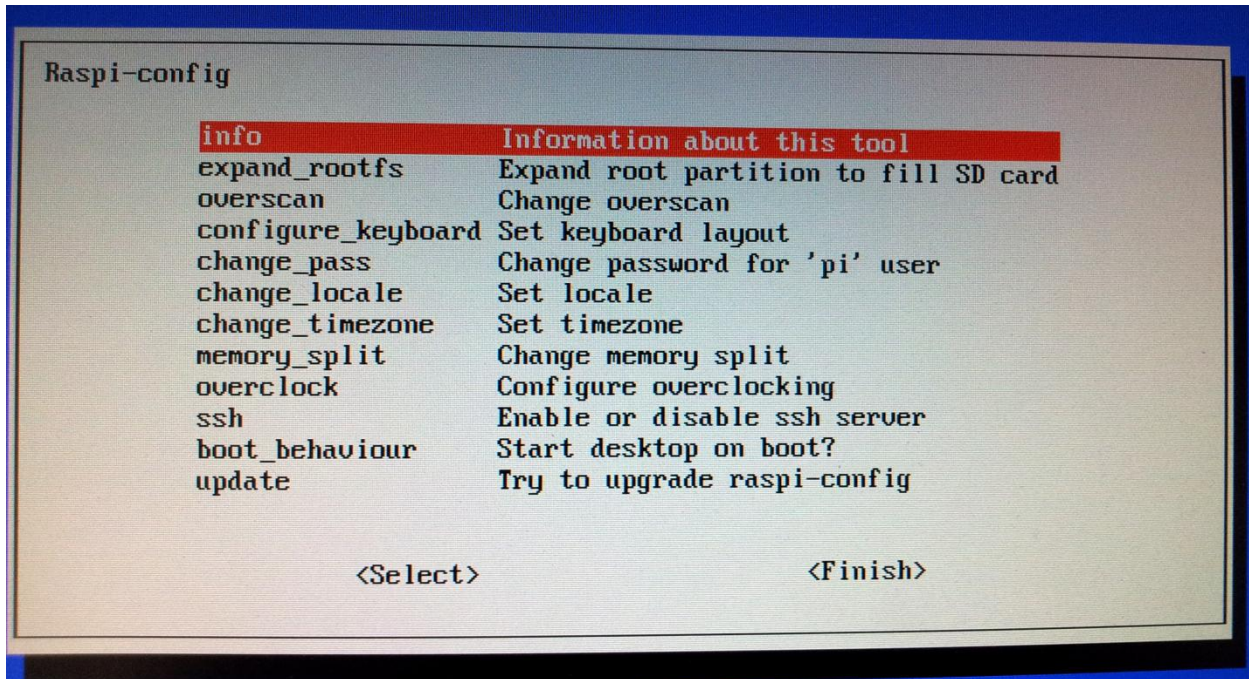
3. Click on Write.





```
guest-ZLhCre@sai-VirtualBox: ~  
guest-ZLhCre@sai-VirtualBox:~$ df -h  
df-h: command not found  
guest-ZLhCre@sai-VirtualBox:~$ df -h  
Filesystem      Size  Used Avail Use% Mounted on  
/dev/sda1       123G  4.5G  112G   4% /  
udev            1.8G   4.0K  1.8G   1% /dev  
tmpfs           705M   760K  704M   1% /run  
none            5.0M     0   5.0M   0% /run/lock  
none            1.8G  152K  1.8G   1% /run/shm  
none            100M   48K  100M   1% /run/user  
none            1.8G  1.1M  1.8G   1% /tmp/guest-ZLhCre  
/dev/sdb5       3.8G   41M  3.7G   2% /media/guest-ZLhCre/01CDC8FDDC8B7320  
guest-ZLhCre@sai-VirtualBox:~$
```





## GPIO Numbers

**Raspberry Pi B**  
Rev 1 P1 GPIO Header

	Pin No.		
3.3V	1	2	5V
GPIO0	3	4	5V
GPIO1	5	6	GND
GPIO4	7	8	GPIO14
GND	9	10	GPIO15
GPIO17	11	12	GPIO18
GPIO21	13	14	GND
GPIO22	15	16	GPIO23
3.3V	17	18	GPIO24
GPIO10	19	20	GND
GPIO9	21	22	GPIO25
GPIO11	23	24	GPIO8
GND	25	26	GPIO7

**Raspberry Pi A/B**  
Rev 2 P1 GPIO Header

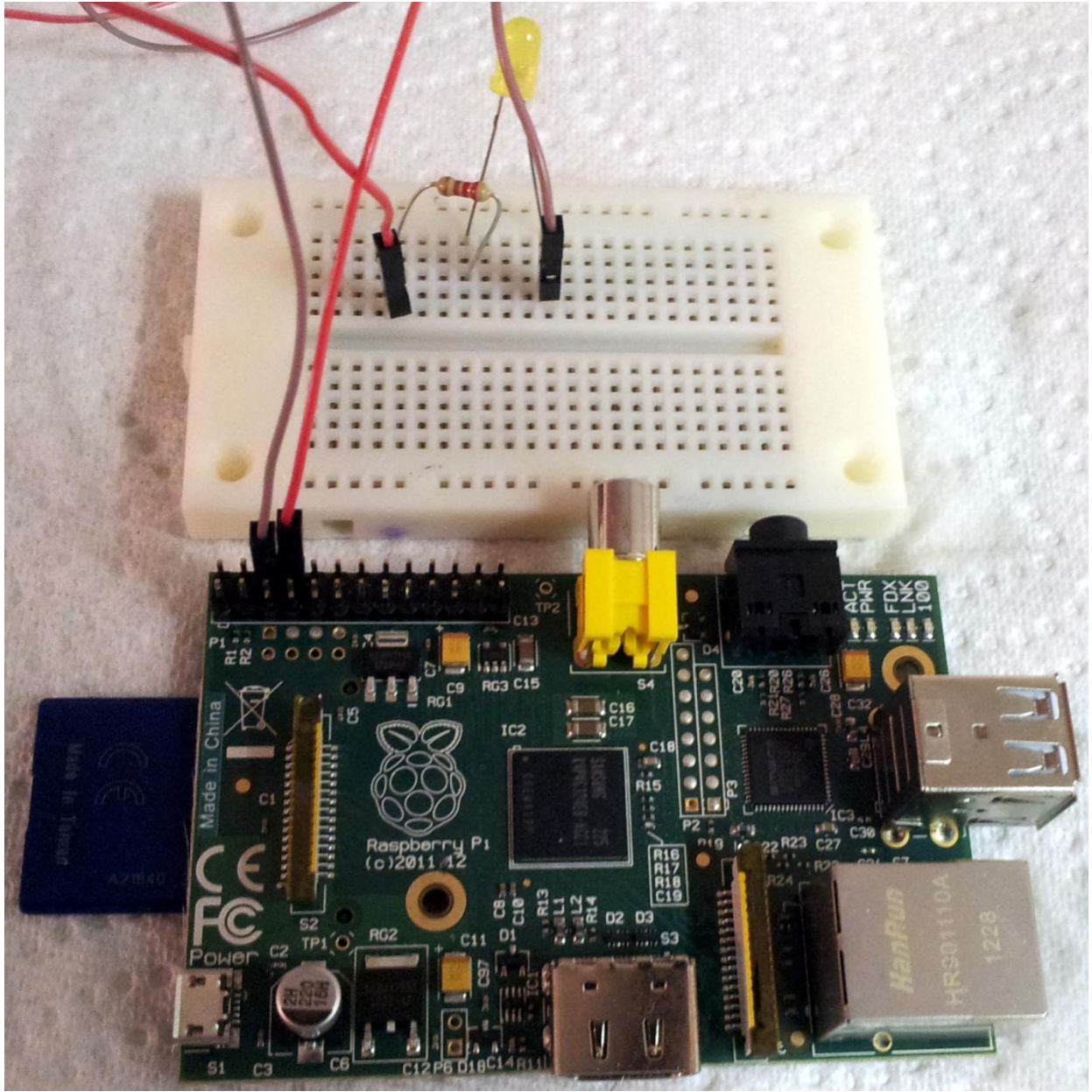
	Pin No.		
3.3V	1	2	5V
GPIO2	3	4	5V
GPIO3	5	6	GND
GPIO4	7	8	GPIO14
GND	9	10	GPIO15
GPIO17	11	12	GPIO18
GPIO27	13	14	GND
GPIO22	15	16	GPIO23
3.3V	17	18	GPIO24
GPIO10	19	20	GND
GPIO9	21	22	GPIO25
GPIO11	23	24	GPIO8
GND	25	26	GPIO7

**Raspberry Pi B+**  
B+ J8 GPIO Header

	Pin No.		
3.3V	1	2	5V
GPIO2	3	4	5V
GPIO3	5	6	GND
GPIO4	7	8	GPIO14
GND	9	10	GPIO15
GPIO17	11	12	GPIO18
GPIO27	13	14	GND
GPIO22	15	16	GPIO23
3.3V	17	18	GPIO24
GPIO10	19	20	GND
GPIO9	21	22	GPIO25
GPIO11	23	24	GPIO8
GND	25	26	GPIO7
DNC	27	28	DNC
GPIO5	29	30	GND
GPIO6	31	32	GPIO12
GPIO13	33	34	GND
GPIO19	35	36	GPIO16
GPIO26	37	38	GPIO20
GND	39	40	GPIO21

**Key**

Power +	UART
GND	SPI
I <sup>2</sup> C	GPIO



3.3V	→	P1-1	5V	→	P1-2
GPIO 0	→	P1-3	5V	→	P1-4
GPIO 1	→	P1-5	GND	→	P1-6
GPIO 4	→	P1-7	GPIO14	→	P1-8
GND	→	P1-9	GPIO15	→	P1-10
GPIO17	→	P1-11	GPIO18	→	P1-12
GPIO21	→	P1-13	GND	→	P1-14
GPIO22	→	P1-15	GPIO23	→	P1-16
3.3V	→	P1-17	GPIO24	→	P1-18
GPIO10	→	P1-19	GND	→	P1-20
GPIO 9	→	P1-21	GPIO25	→	P1-22
GPIO11	→	P1-23	GPIO08	→	P1-24
GND	→	P1-25	GPIO07	→	P1-26

GPIO Rev1

3.3V	→	P1-1	5V	→	P1-2
GPIO 2	→	P1-3	5V	→	P1-4
GPIO 3	→	P1-5	GND	→	P1-6
GPIO 4	→	P1-7	GPIO14	→	P1-8
GND	→	P1-9	GPIO15	→	P1-10
GPIO17	→	P1-11	GPIO18	→	P1-12
GPIO27	→	P1-13	GND	→	P1-14
GPIO22	→	P1-15	GPIO23	→	P1-16
3.3V	→	P1-17	GPIO24	→	P1-18
GPIO10	→	P1-19	GND	→	P1-20
GPIO 9	→	P1-21	GPIO25	→	P1-22
GPIO11	→	P1-23	GPIO08	→	P1-24
GND	→	P1-25	GPIO07	→	P1-26

GPIO Rev 2





Scratch



IDLE



Debian Reference



Python Games



Midori



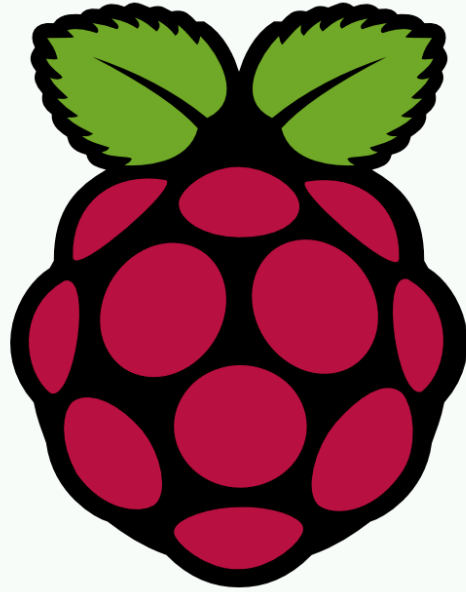
IDLE 3

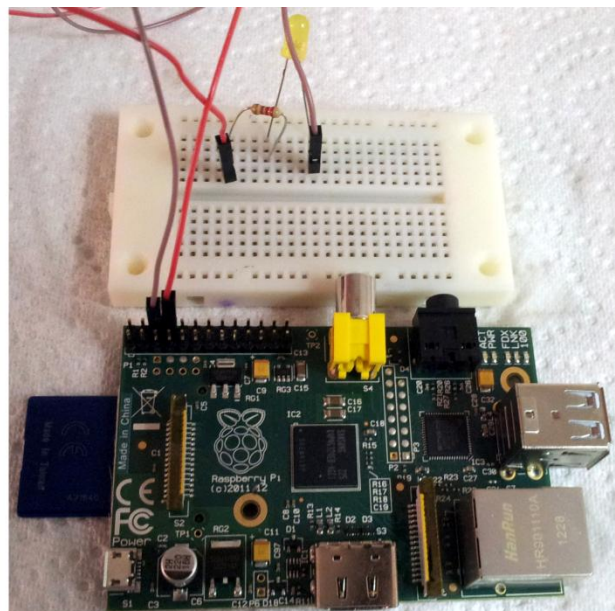
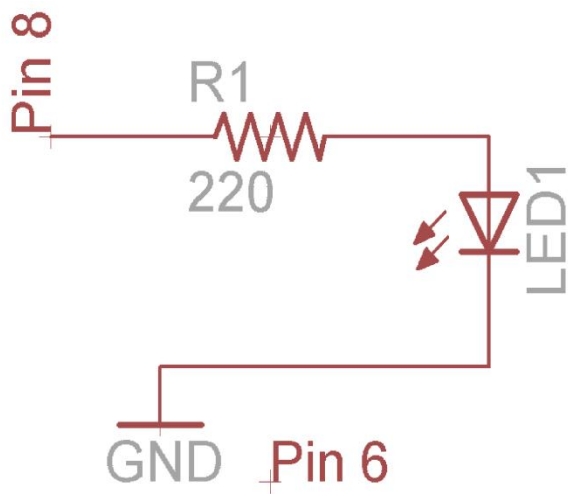
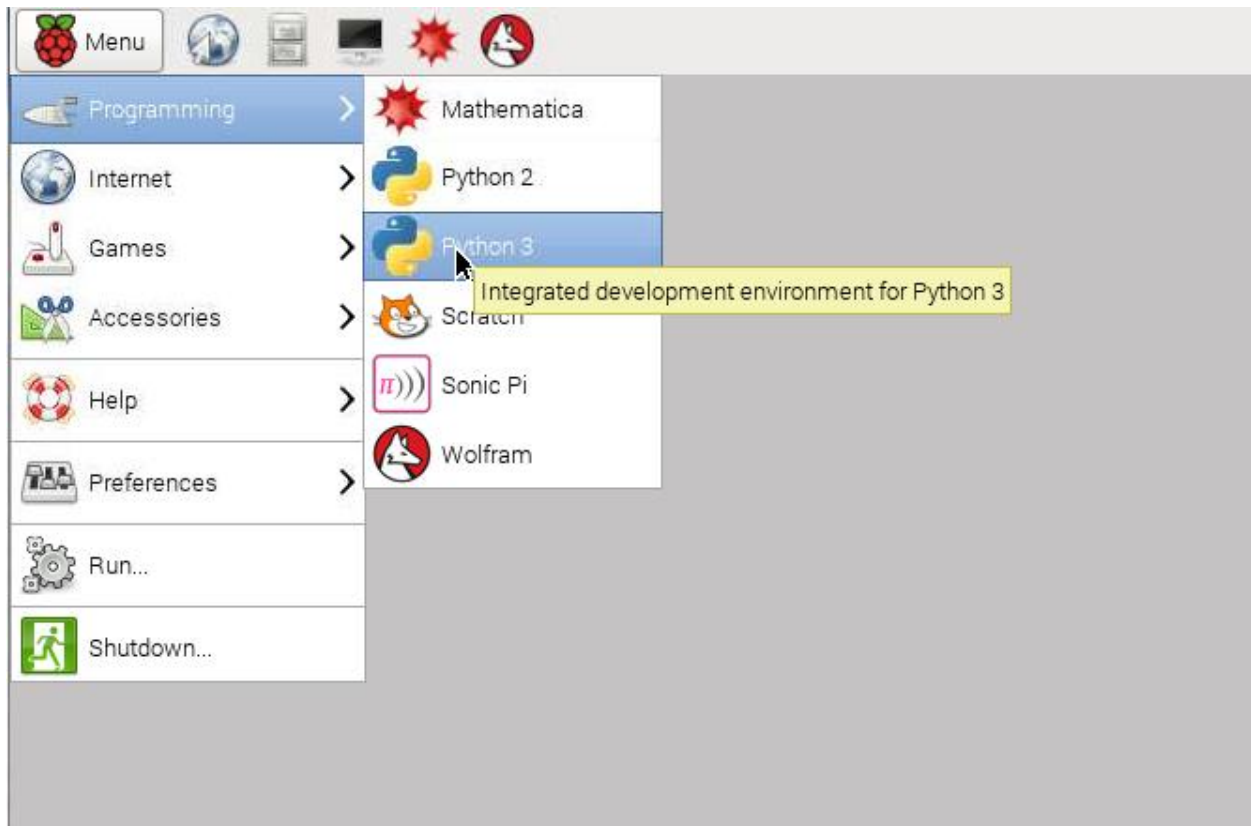


WiFi Config

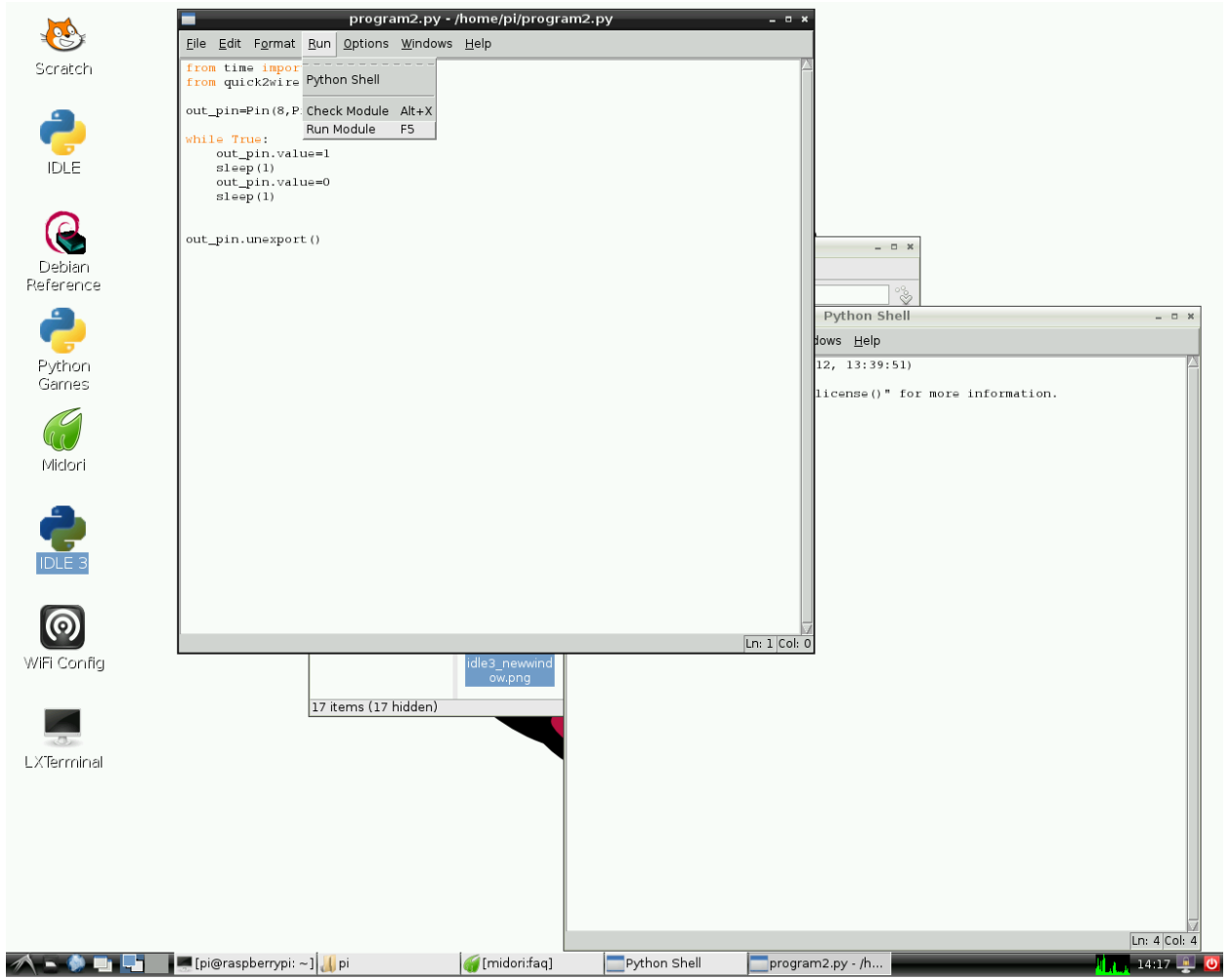


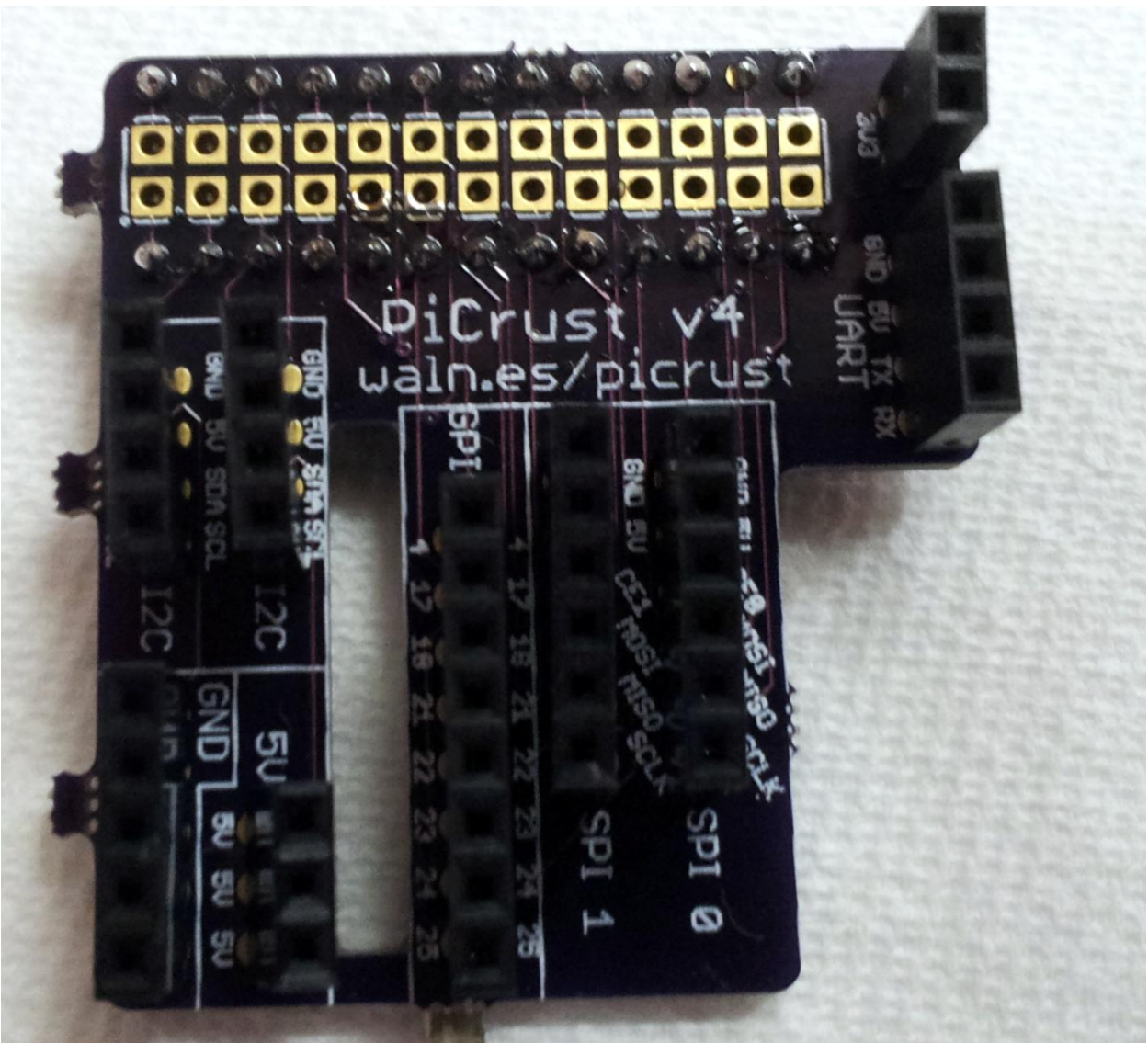
LXTerminal

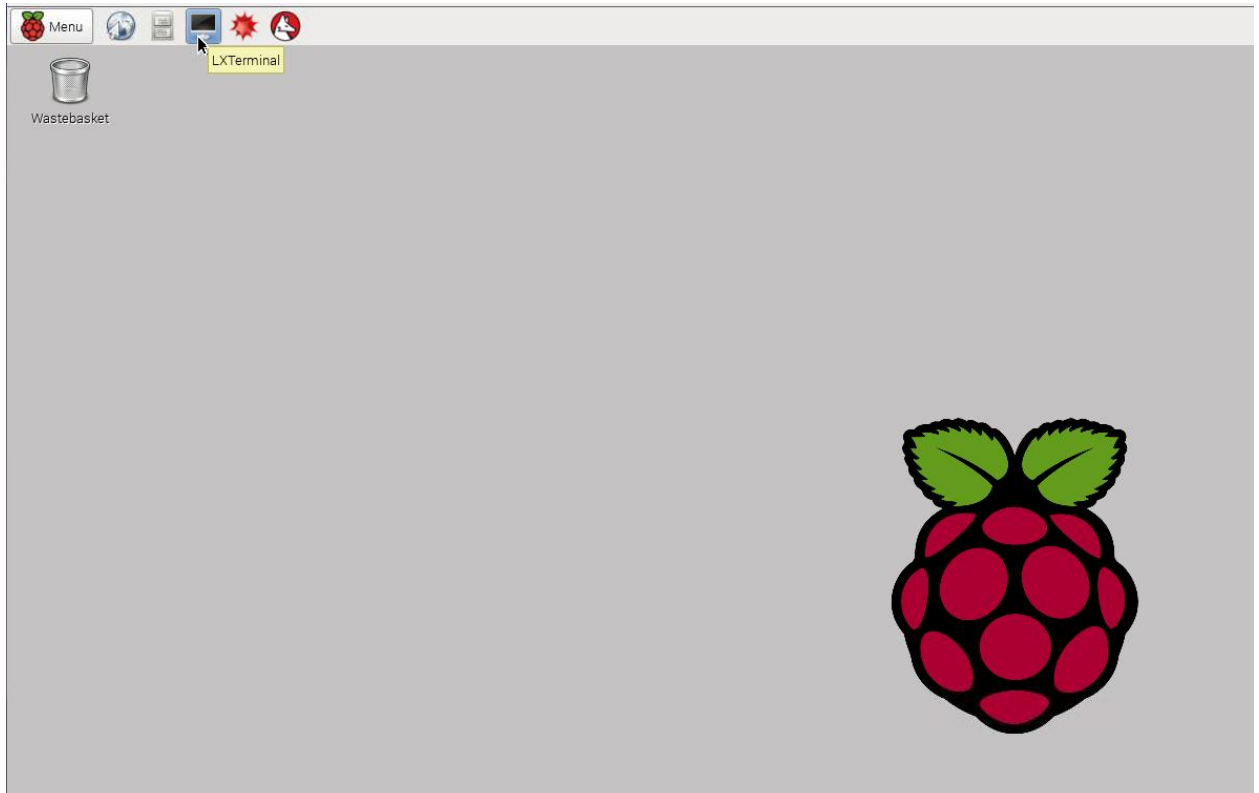
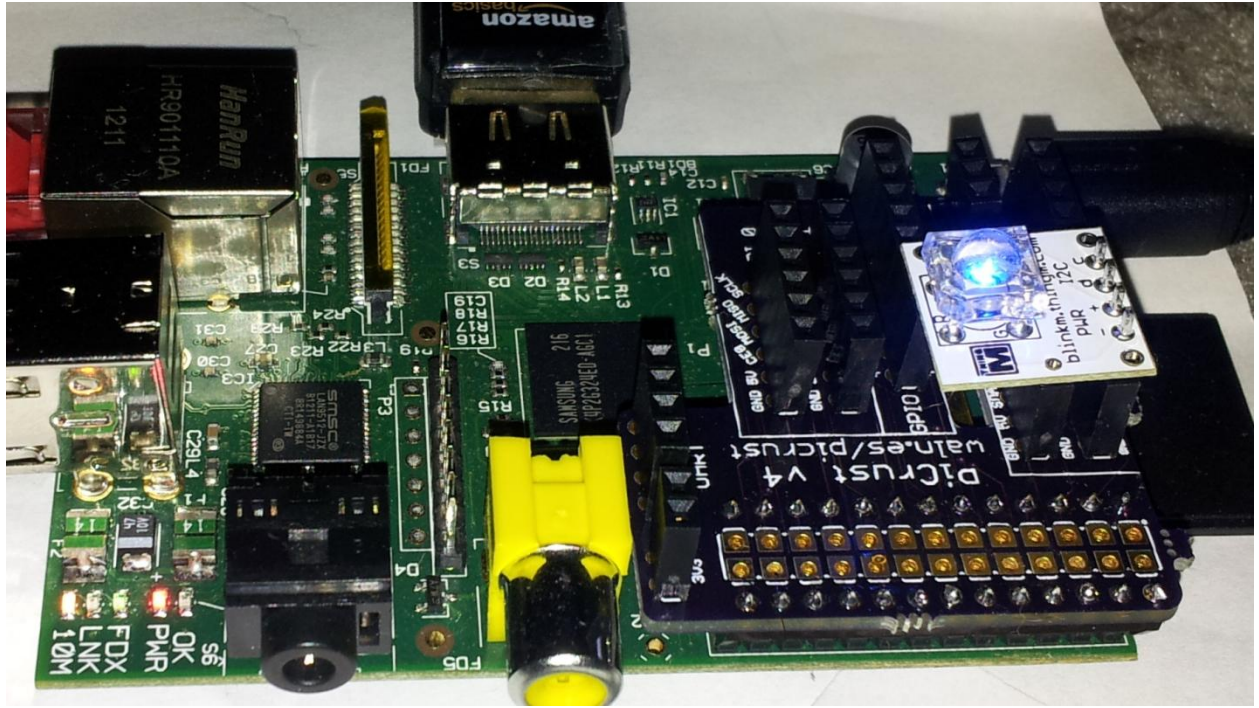


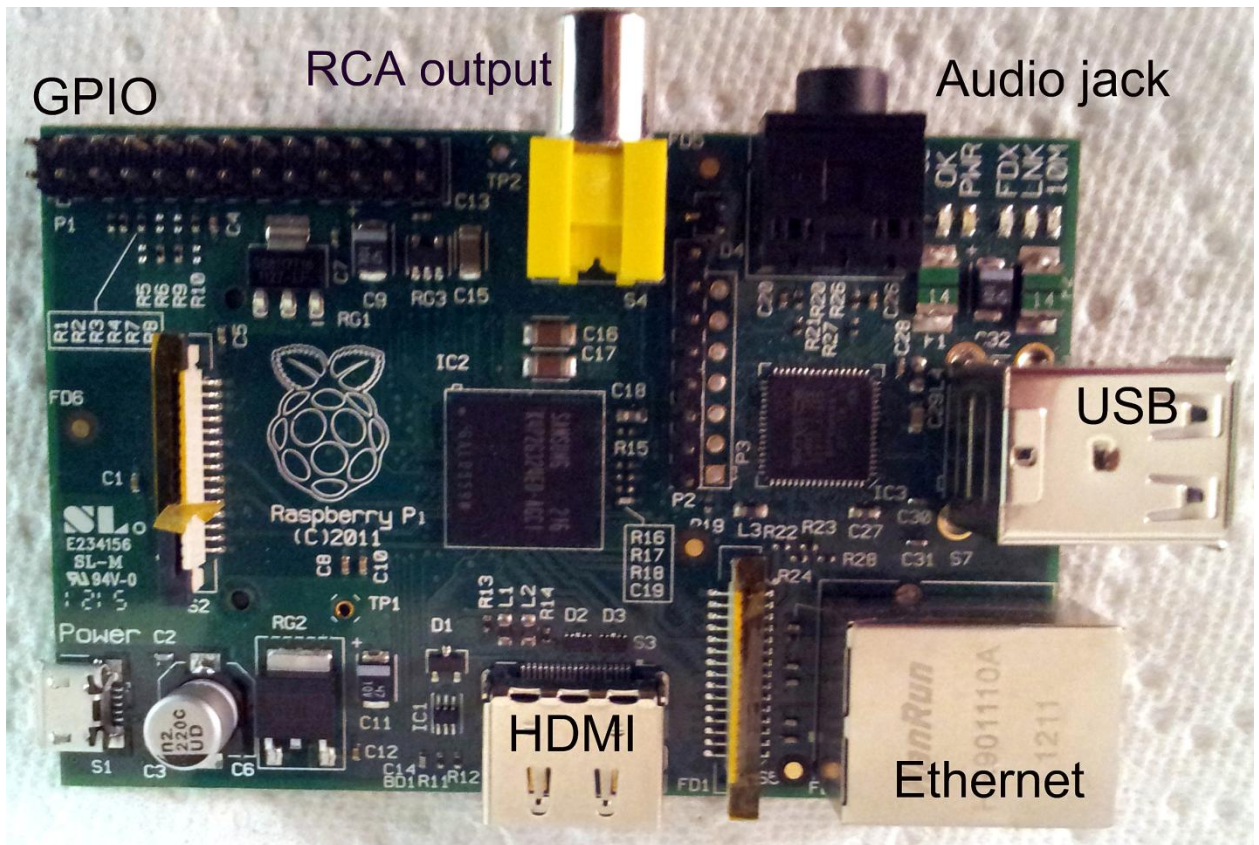












GPIO

RCA output

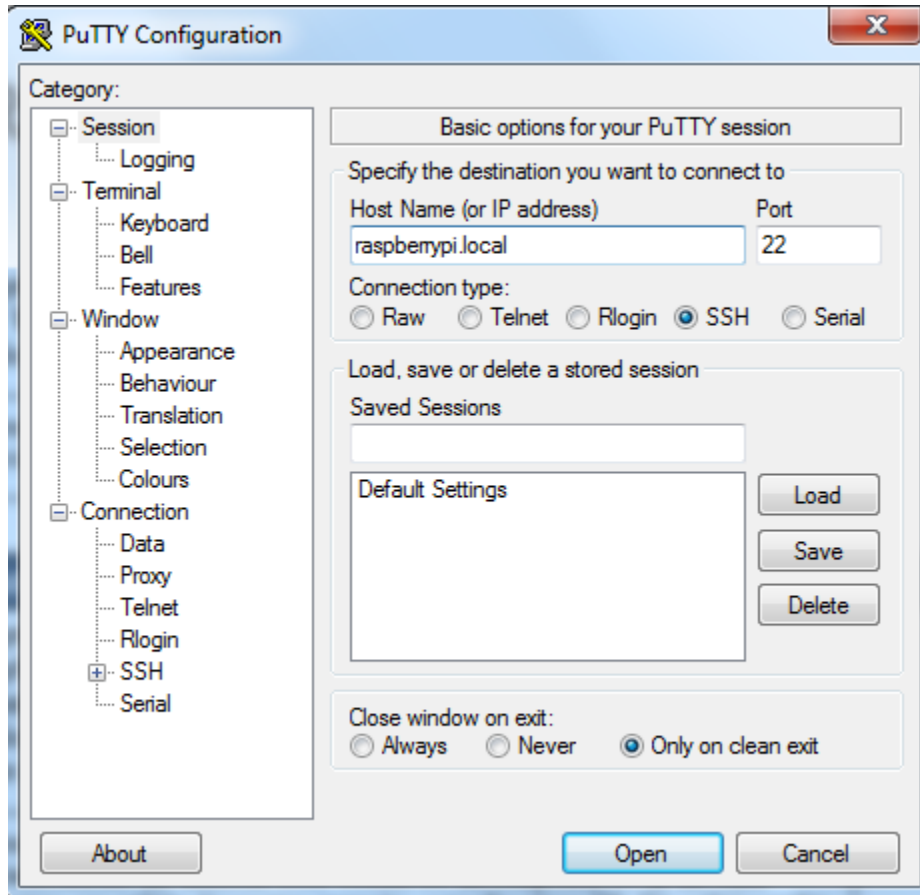
Audio jack

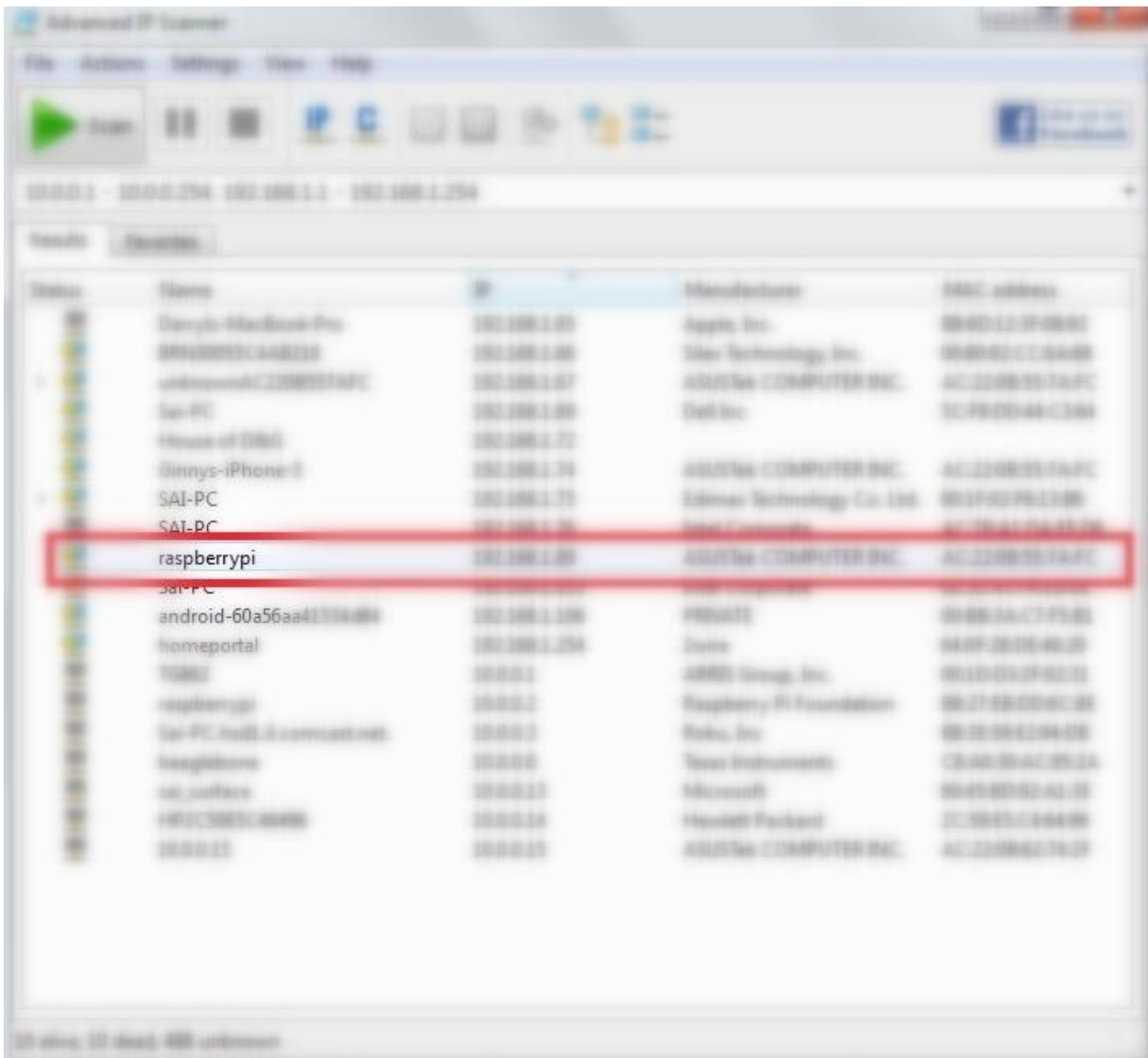
USB

HDMI

Ethernet

# Chapter 2





10.0.0.8/editor

adafruit learning system  
Raspberry Pi WebIDE ALPHA

Connected | Log out

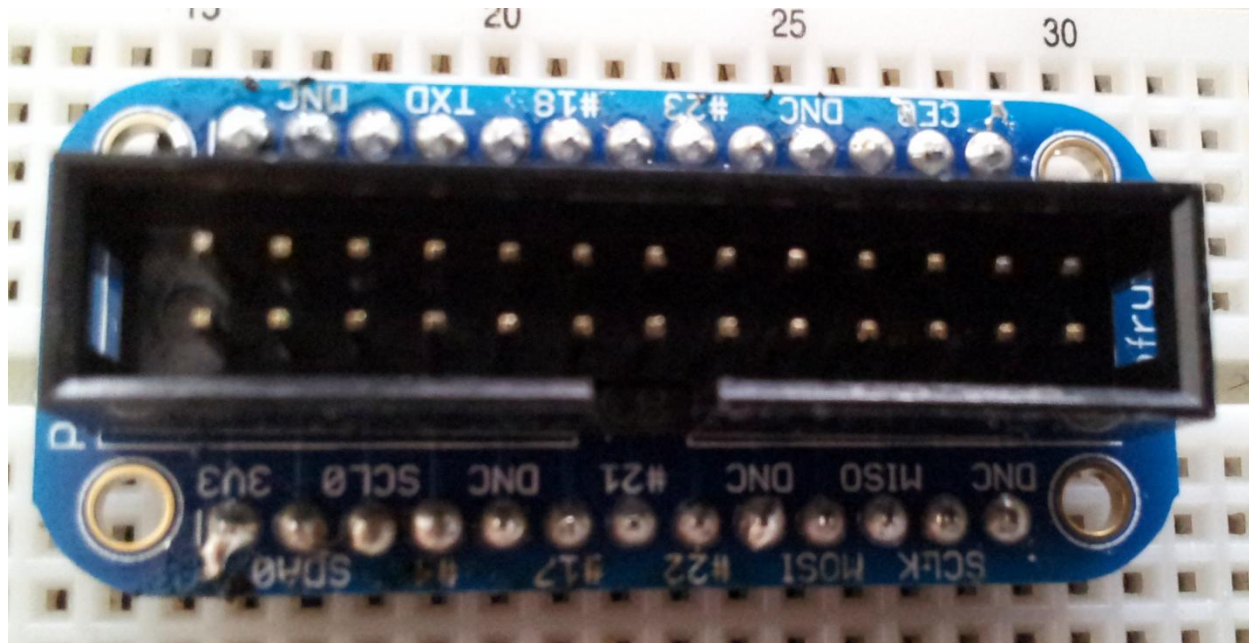
Adafruit-Raspberry-Pi-Python-Code

Terminal ▶ Run Copy this project to My Pi Projects

```
1 #!/usr/bin/python
2
3 import smbus
4
5 # *****
6 # Adafruit_I2C Base Class
7 # *****
8
9 class Adafruit_I2C :
10
11     def __init__(self, address, bus=smbus.SMBus(1), debug=False):
12         self.address = address
13         self.bus = bus
14         self.debug = debug
15
16     def reverseByteOrder(self, data):
17         """Reverses the byte order of an int (16-bit) or long (32-bit) value"""
18         # Courtesy Vishal Sapre
19         dst = hex(data)[2:].replace('L','')
20         byteCount = len(dst)::2]
21         val = 0
22         for i, n in enumerate(range(byteCount)):
23             d = data & 0xFF
24             val |= (d << (8 * (byteCount - i - 1)))
25             data >>= 8
26         return val
27
28     def write8(self, reg, value):
29         """Writes an 8-bit value to the specified register/address"""
30         try:
31             self.bus.write_byte_data(self.address, reg, value)
32             if (self.debug):
33                 print "I2C: Wrote 0x%02X to register 0x%02X" % (value, reg)
```

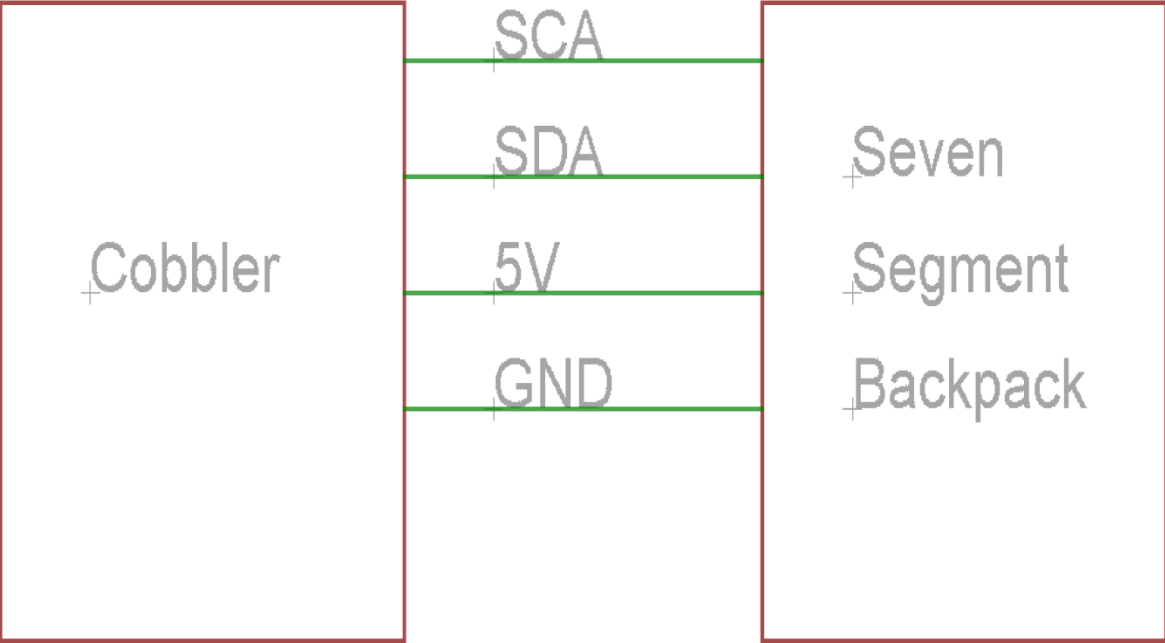
Adafruit WebIDE v0.2.5

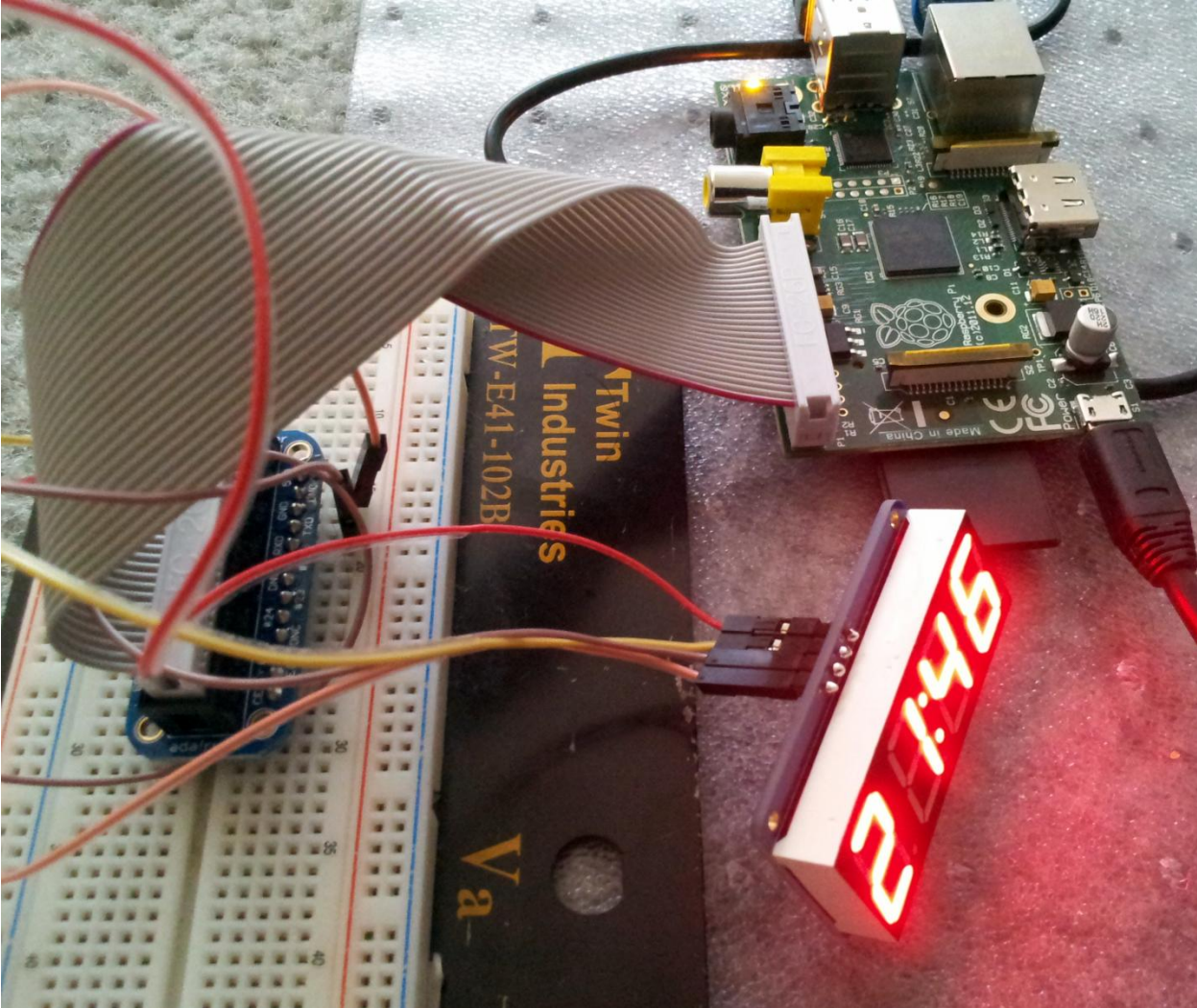
Scheduler Active | Schedule Manager

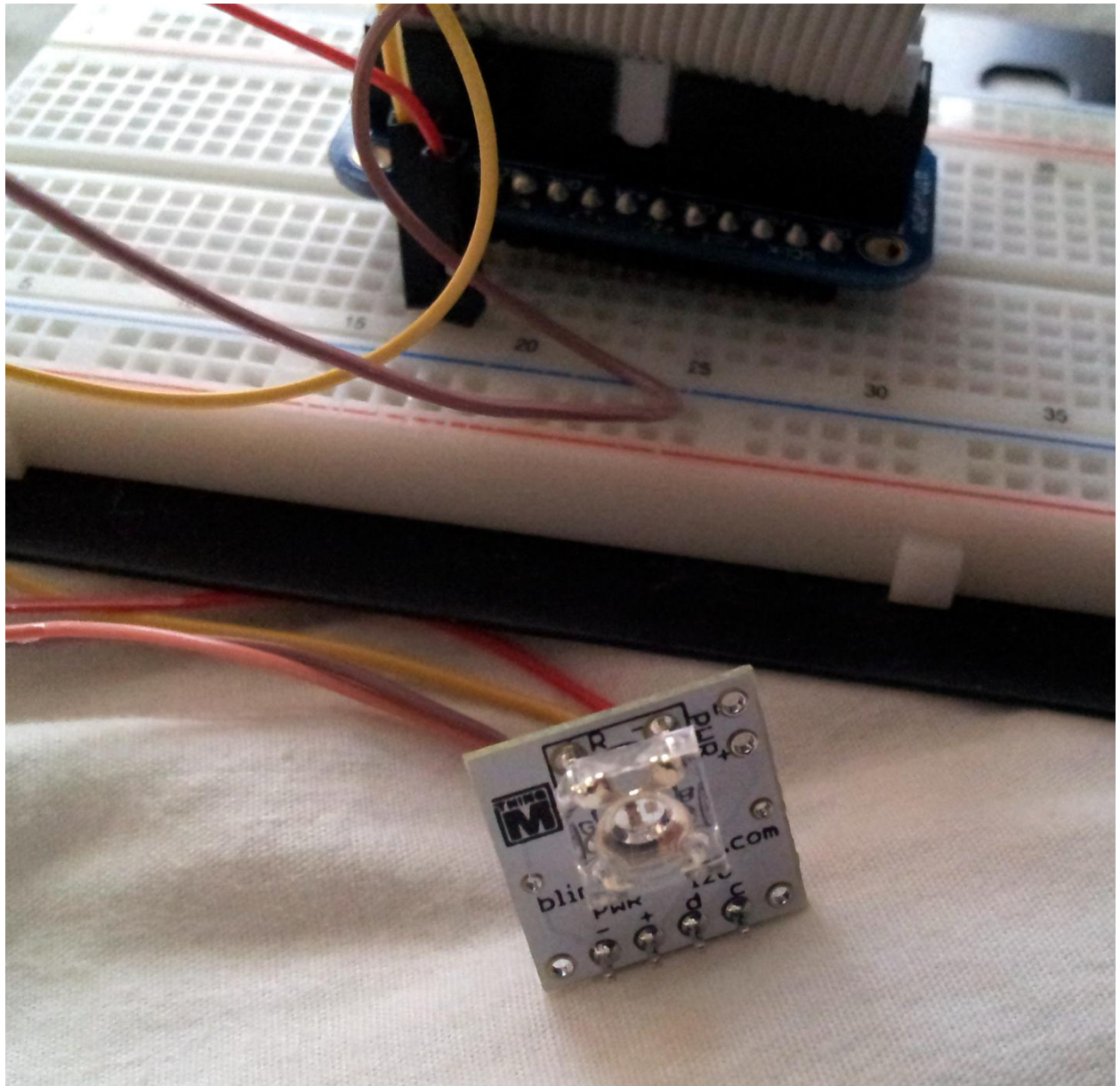












```
pi@raspberrypi: ~
50: -- -- -- -- --
60: -- -- -- -- --
70: -- -- -- -- --
pi@raspberrypi ~ $ sudo i2cdetect -y 1
   0  1  2  3  4  5  6  7  8  9  a  b  c  d  e  f
00:
10: -- -- -- -- --
20: -- -- -- -- --
30: -- -- -- -- --
40: -- -- -- -- --
50: -- -- -- -- --
60: -- -- -- -- --
70: 70 -- -- -- -- --
pi@raspberrypi ~ $ sudo i2cdetect -y 1
   0  1  2  3  4  5  6  7  8  9  a  b  c  d  e  f
00:
10: -- -- -- -- --
20: -- -- -- -- --
30: -- -- -- -- --
40: -- -- -- -- --
50: -- -- -- -- --
60: -- -- -- -- --
70: -- -- -- -- --
pi@raspberrypi ~ $
```

```
pi@raspberrypi: ~
Setting up nodejs (0.6.19~dfsg1-6) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
Setting up nodejs-legacy (0.6.19~dfsg1-6) ...
Setting up restartd (0.2.2) ...
Starting process checker: No processes defined in config file. Exiting.
restartd.
**** Create webide user and group ****
**** Adding webide user to sudoers ****
/etc/sudoers.tmp: parsed OK
/etc/sudoers.d/README: parsed OK
**** Adding default .bashrc file for webide user ****
**** Installing the WebIDE as a service ****
**** (to uninstall service, execute: 'sudo update-rc.d -f adafruit-webide.sh remove') ****
update-rc.d: using dependency based boot sequencing
Attempting to force reload date and time from ntp server
[ ok ] Stopping NTP server: ntpd.
[ ok ] Starting NTP server: ntpd.
**** Starting the server...(please wait) ****
**** The Adafruit WebIDE is installed and running! ****
**** Commands: sudo service adafruit-webide.sh {start,stop,restart} ****
**** Navigate to http://raspberrypi.local to use the WebIDE
pi@raspberrypi ~ $
```

### Welcome to the Raspberry Pi WebIDE powered by the Adafruit Learning System

Setting up your Raspberry Pi will only take a few minutes. Let's get started.

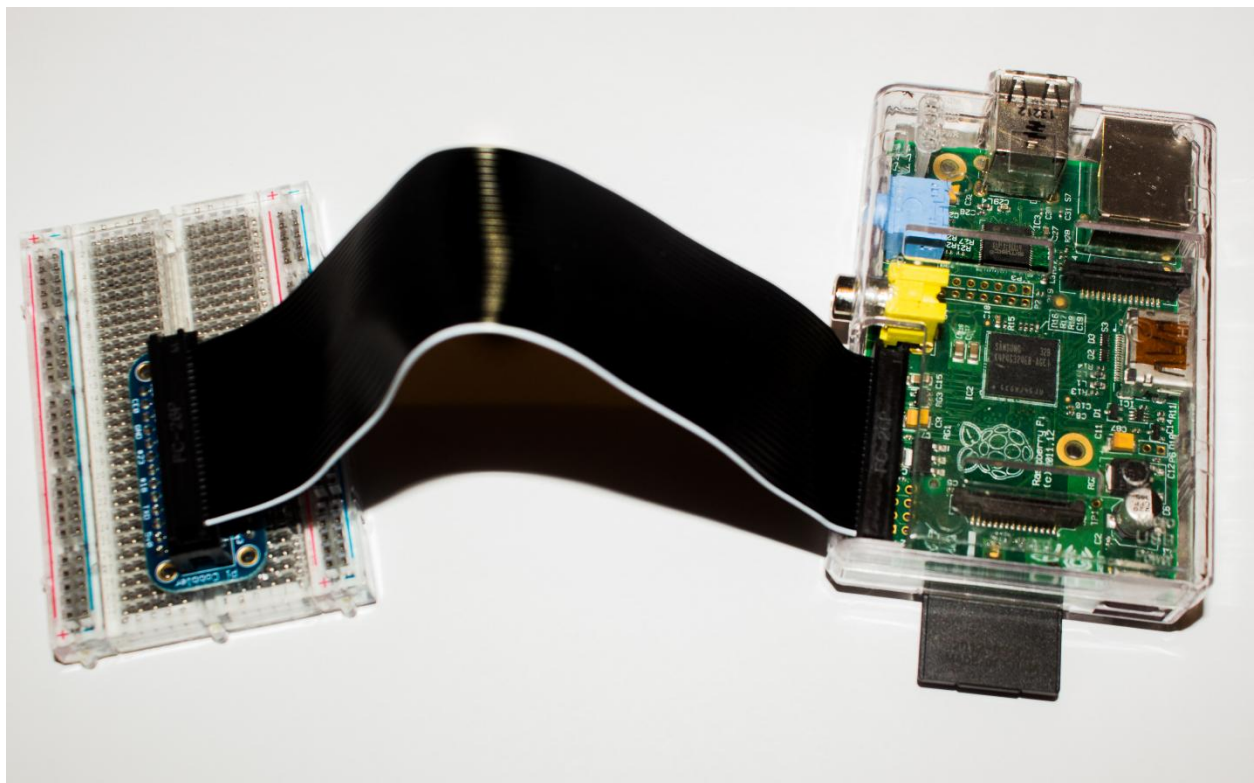
Are you setting up more than one Raspberry Pi? Visit the config to [change hostname and WiFi](#).

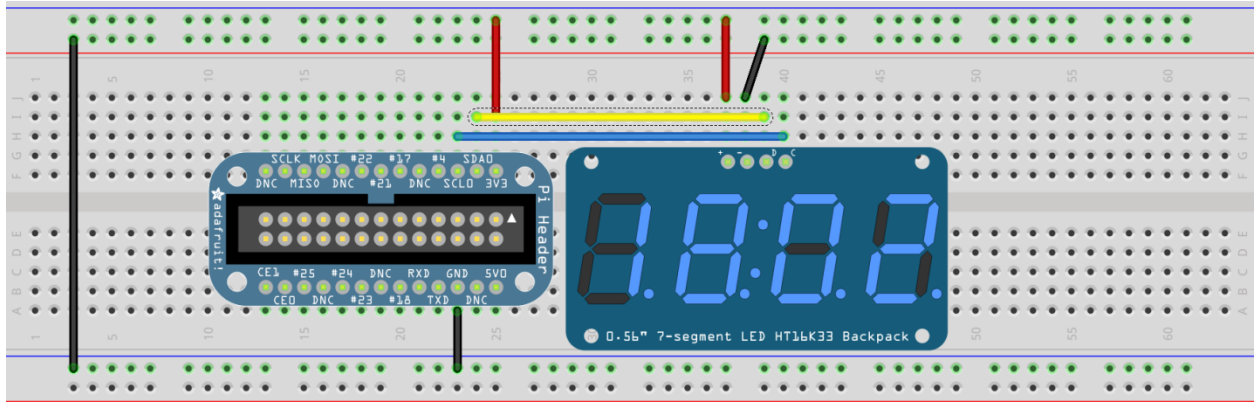
One of the many useful features of the WebIDE is that all of your code will be stored in the cloud over at bitbucket.org. So, before we can go any further, you will want to create your free Bitbucket account. If you already have one, you can use your existing account, or create one specifically for the Raspberry Pi WebIDE.

[Click here to create your free bitbucket account](#)



In your Account page, click on the Integrated Applications link in the left column:





fritzing

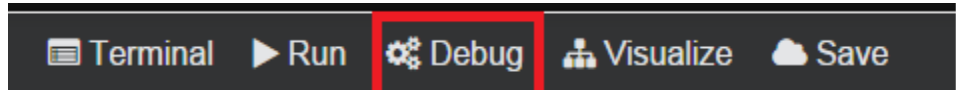
adafruit learning system  
 Raspberry Pi WebIDE ALPHA Connected | Log out

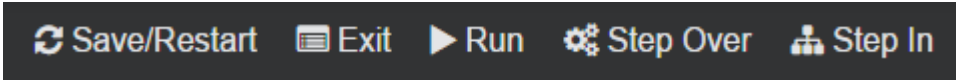
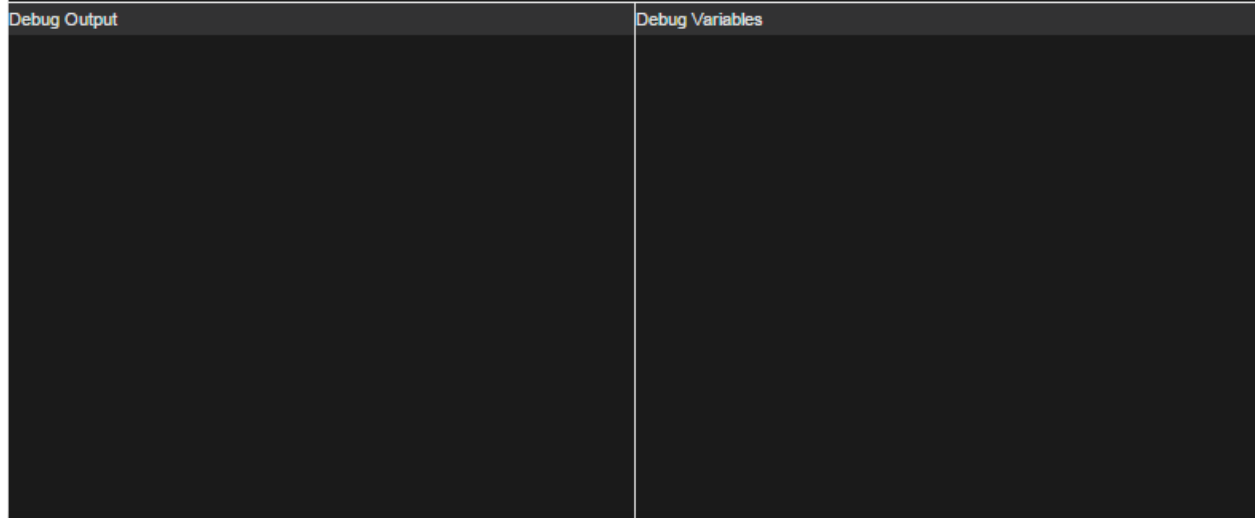
Adafuit-Raspberry-Pi-Python-Code

- Adafuit\_LEDBackpack
- Adafuit\_7Segment.py
- Adafuit\_8x8.py
- Adafuit\_Bargraph.py
- Adafuit\_I2C.py
- Adafuit\_LEDBackpack.py
- ex\_7segment\_clock.py
- ex\_8x8\_color\_pixels.py
- ex\_8x8\_pixels.py
- ex\_bargraph.py

```

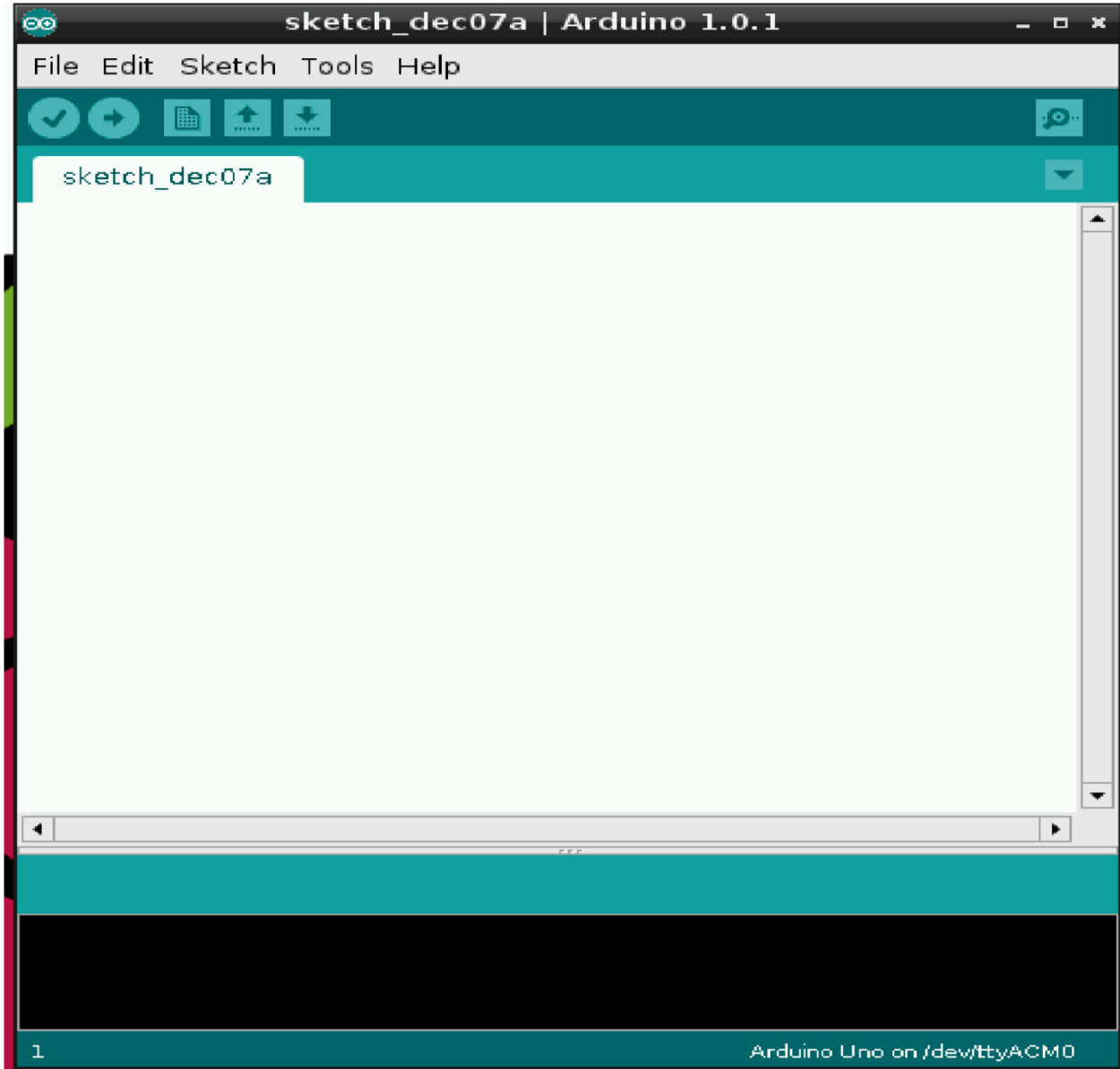
1 #!/usr/bin/python
2
3 import time
4 import datetime
5 from Adafuit_7Segment import SevenSegment
6
7 # =====
8 # Clock Example
9 # =====
10 segment = SevenSegment(address=0x70)
11
12 print "Press CTRL+Z to exit"
13
14 # Continually update the time on a 4 char, 7-segment display
15 while(True):
16     now = datetime.datetime.now()
17     hour = now.hour
18     minute = now.minute
19     second = now.second
20     # Set hours
21     segment.writeDigit(0, int(hour / 10)) # Tens
22     segment.writeDigit(1, hour % 10) # Ones
23     # Set minutes
24     segment.writeDigit(3, int(minute / 10)) # Tens
25     segment.writeDigit(4, minute % 10) # Ones
26     # Toggle colon
27     segment.setColon(second % 2) # Toggle colon at 1Hz
28     # Wait one second
29     time.sleep(1)
30
  
```





Id	Description	Color sequence
0	eeeprom script default startup	white→red→green→blue→off (can be programmed)
1	RGB	red→green→blue
2	white flash	white→off
3	red flash	red→off
4	green flash	green→off
5	blue flash	blue→off
6	cyan flash	cyan→off
7	magenta flash	magenta→off
8	yellow flash	yellow→off
9	black	off
10	hue cycle	red→yellow→green→cyan→blue→purple
11	mood light	random hue→random hue
12	virtual candle	random yellows
13	water reflections	random blues
14	old neon	random orangeish reds
15	the seasons	spring colors→summer→fall→winter
16	thunderstrom	random blues & purples→white flashes
17	stop light	red→green→yellow
18	morse code	S.O.S in white

# Chapter 3





File Edit Sketch Tools Help



sketch\_dec12a

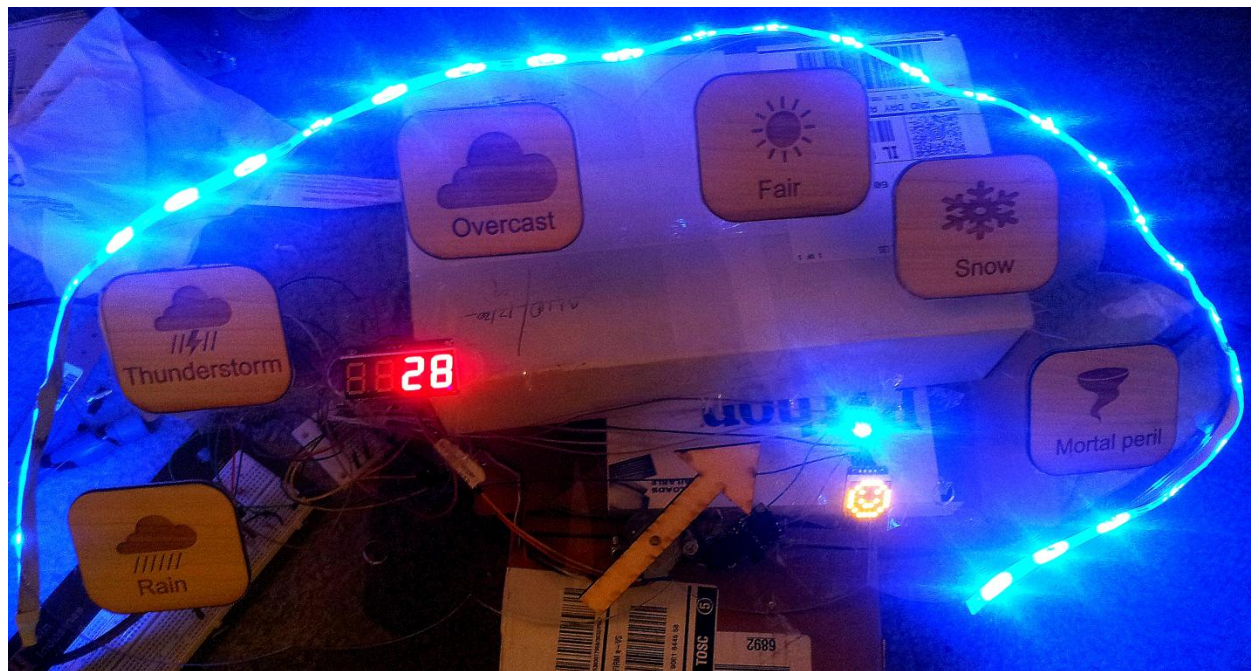
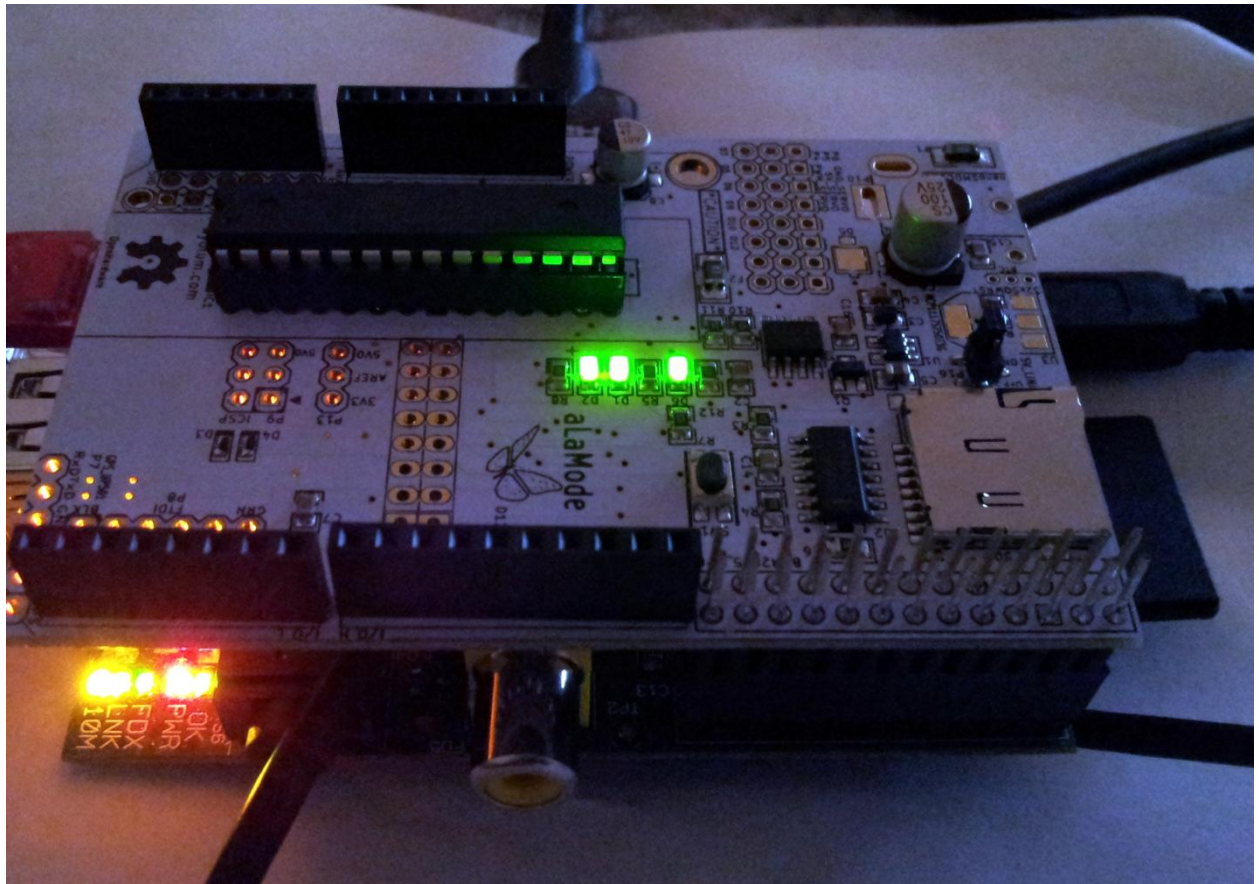
```
// the loop routine runs over and over again forever:  
void loop() {  
  digitalWrite(led, HIGH); // turn the LED on (HIGH is the voltage  
  delay(1000); // wait for a second  
  digitalWrite(led, LOW); // turn the LED off by making the voltage  
  delay(1000); // wait for a second  
}
```

Done uploading.

Binary sketch size: 1,072 bytes (of a 32,256 byte maximum)

1

Arduino Uno on /dev/ttyACM0

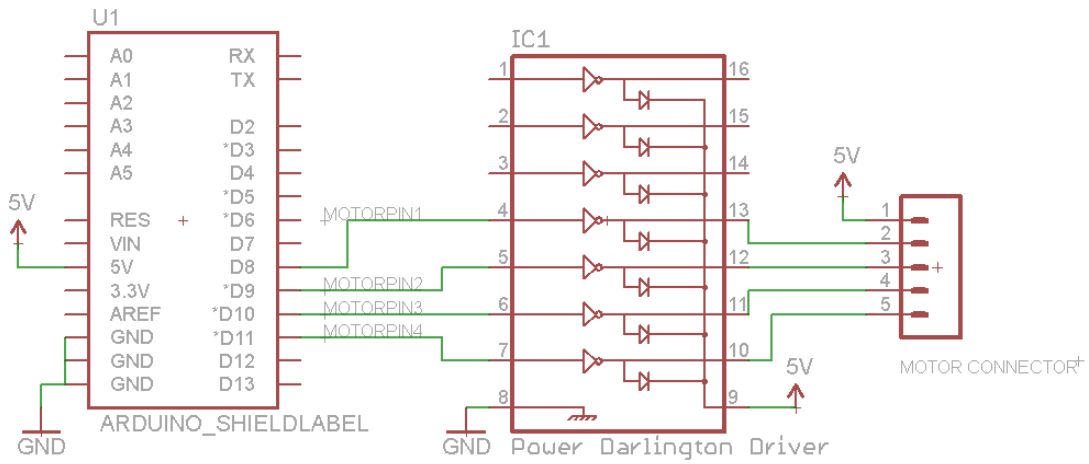




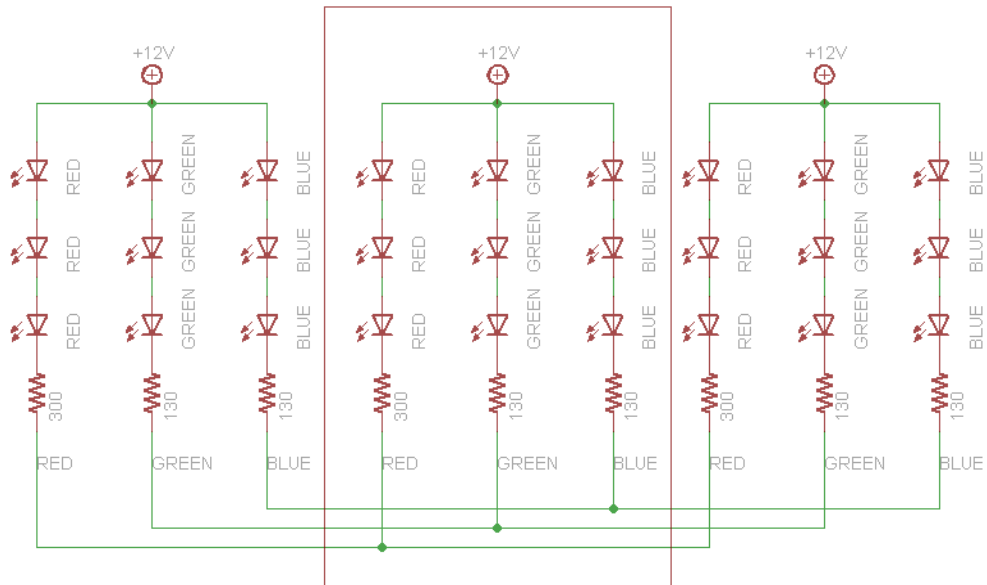
## SWITCHING SEQUENCE

Lead Wire Color	---> CW Direction (1-2 Phase)							
	1	2	3	4	5	6	7	8
4 ORG	-	-						-
3 YEL		-	-	-				
2 PIK				-	-	-		
1 BLU						-	-	-

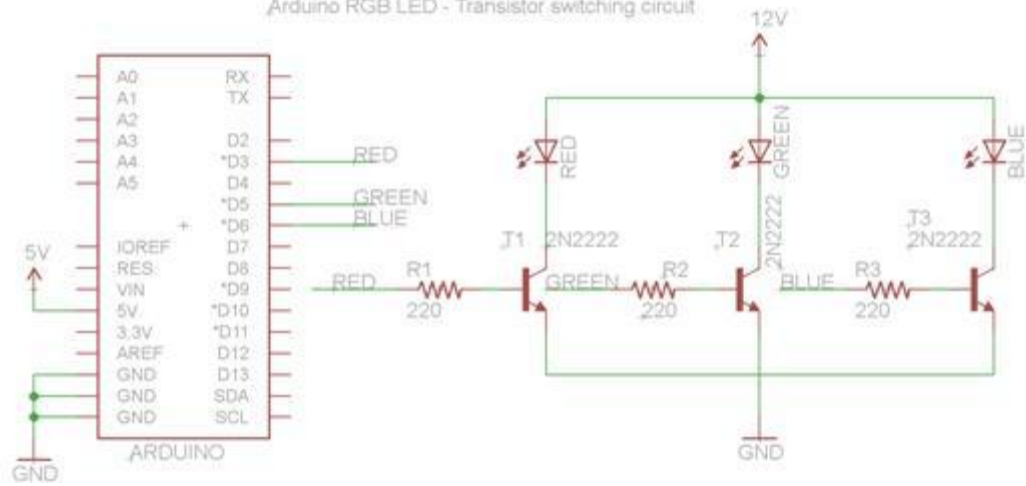
### Arduino Stepper motor connection



### One Section



Arduino RGB LED - Transistor switching circuit



**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER WEATHER SAFETY INFORMATION CENTER NEWS SEARCH ABOUT

Local forecast by "City, ST" or ZIP code  
   
[Location Help](#)

**Bitter Cold Settling into Western and Central U.S.; Heavy Rainfall Continues from Gulf Coast to Ohio Valley**  
 A very slow-moving cold front will continue to focus heavy precipitation from Louisiana to the Ohio Valley through Monday morning. Numerous Flood and Flash Flood Watches are in effect in this region. Meanwhile, well below average temperatures have settled into the western and central parts of the country.  
[Read More...](#)

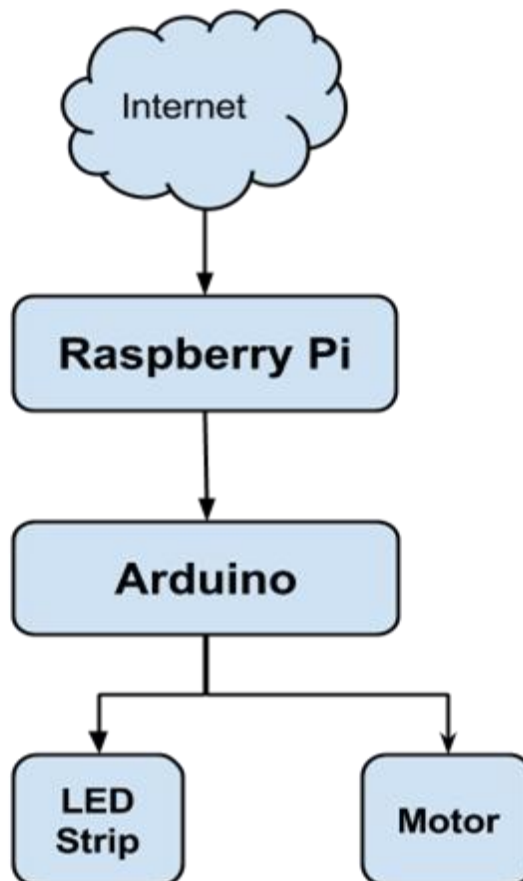
**SKOKIE IL** [En Español](#)

Light Snow  
**17°F**  
 -8°C

Humidity 74%  
 Wind Speed W 19 G 26 mph  
 Barometer 30.13 in (1021.4 mb)  
 Dewpoint 10°F (-12°C)  
 Visibility 10.00 mi  
 Wind Chill 1°F (-17°C)  
 Last Update on 12 Jan 7:51 pm CST

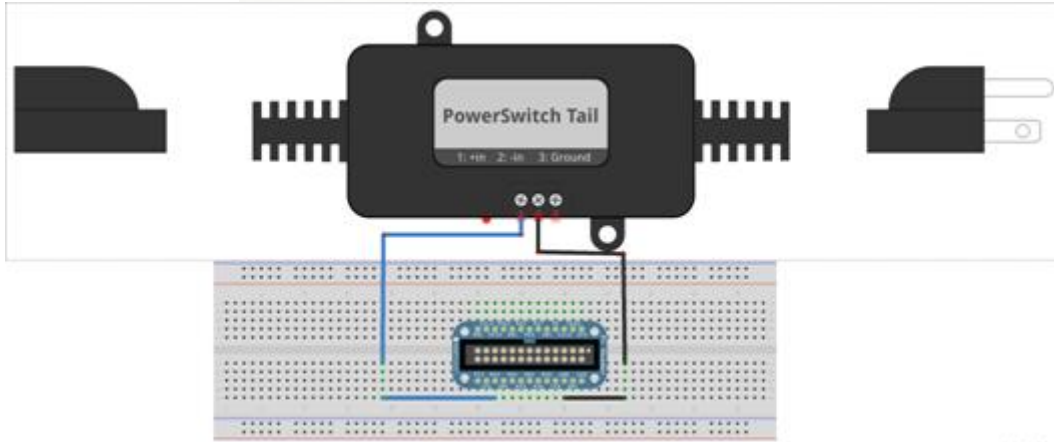
Current conditions at:  
 Chicago/O'Hare (KORD)  
 Lat: 41.98 Lon: -87.9 Elev: 658ft  
[More Local Wx](#) | [3 Day History](#) | [Mobile Weather](#)  
[Share](#) | [Facebook](#) | [Twitter](#) | [RSS](#) | [Print](#)

TONIGHT	MONDAY	MONDAY NIGHT	TUESDAY	TUESDAY NIGHT	WEDNESDAY	WEDNESDAY NIGHT	THURSDAY	THURSDAY NIGHT
Partly Cloudy Low: 14°F	Sunny High: 26°F	Mostly Clear Low: 16°F	Mostly Sunny High: 29°F	Breezy Low: 21°F	Breezy High: 35°F	Partly Cloudy Low: 24°F	Mostly Sunny High: 28°F	Partly Cloudy Low: 21°F

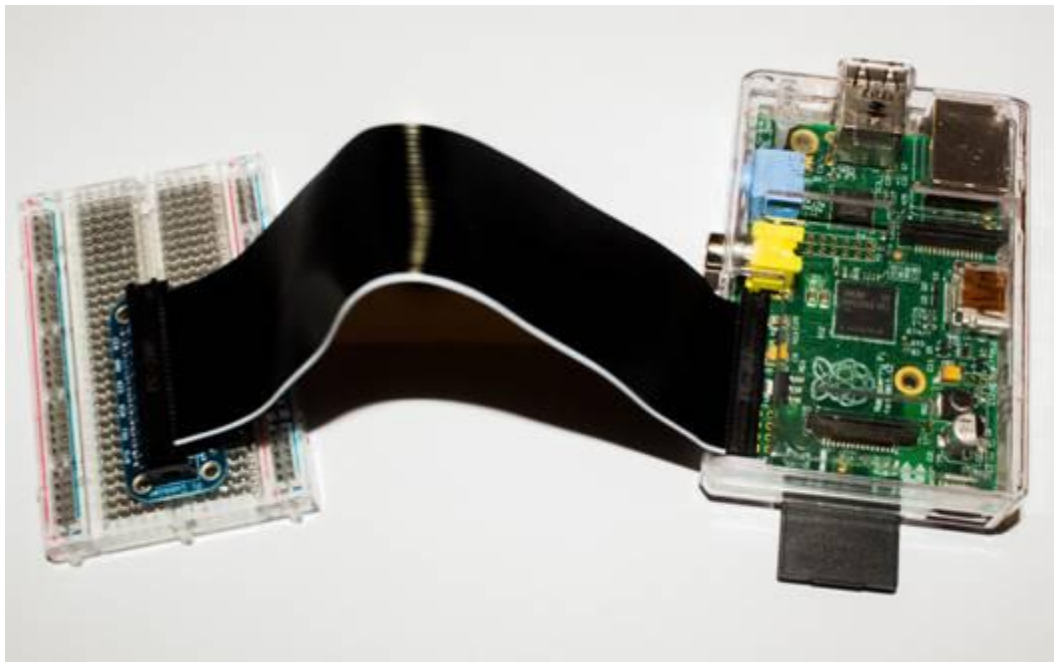


# Chapter 4

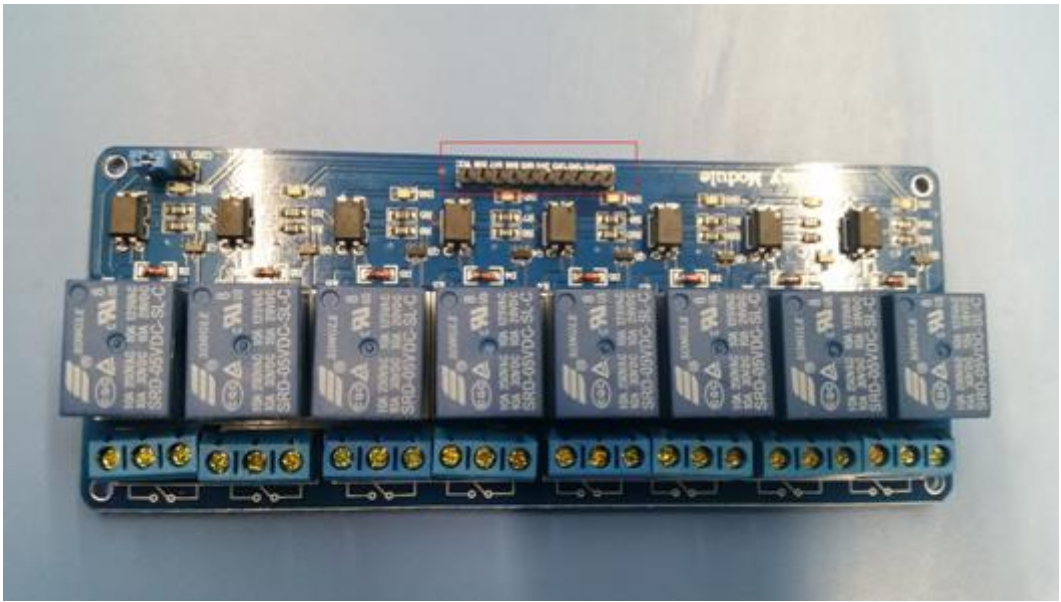
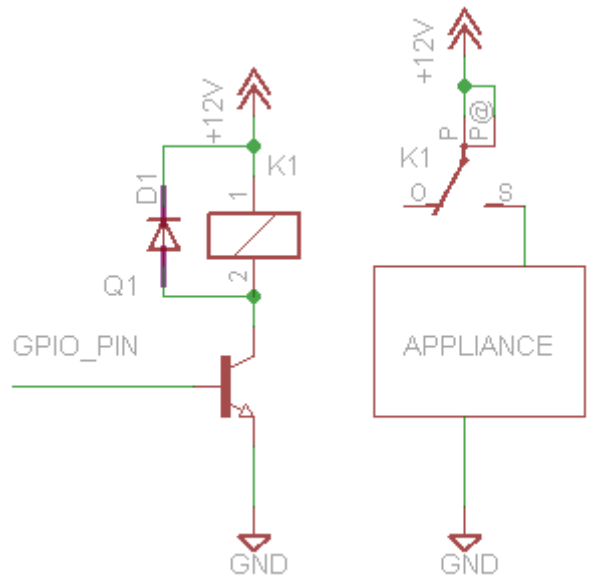


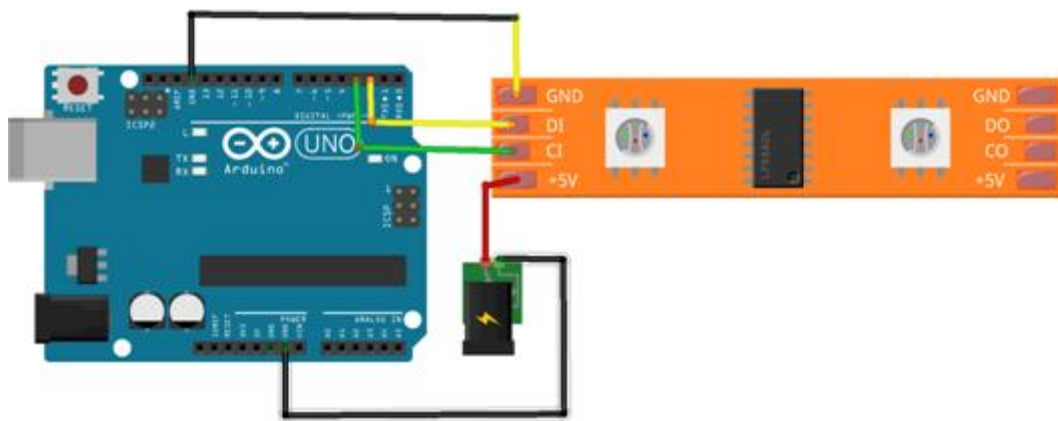
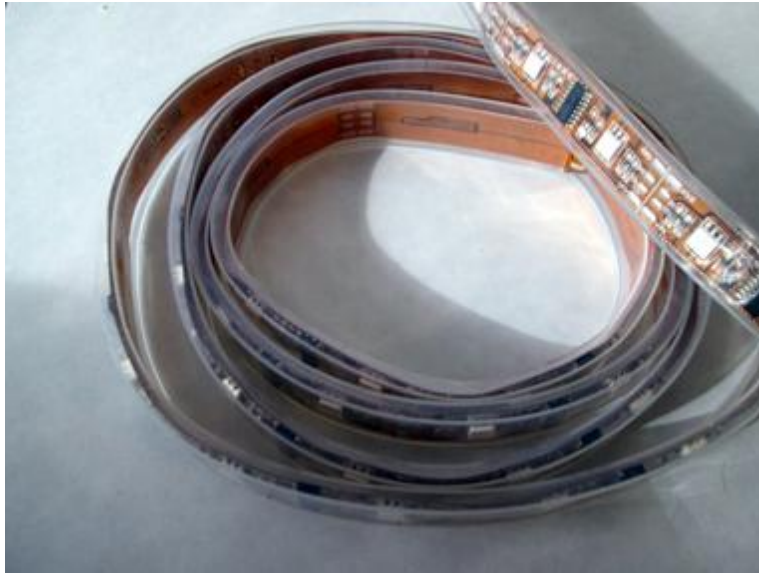


fritzing









fritzing



← → ↻ 10.0.10.8080

Hello world!

## Christmas Lights Controller



## Chapter 5

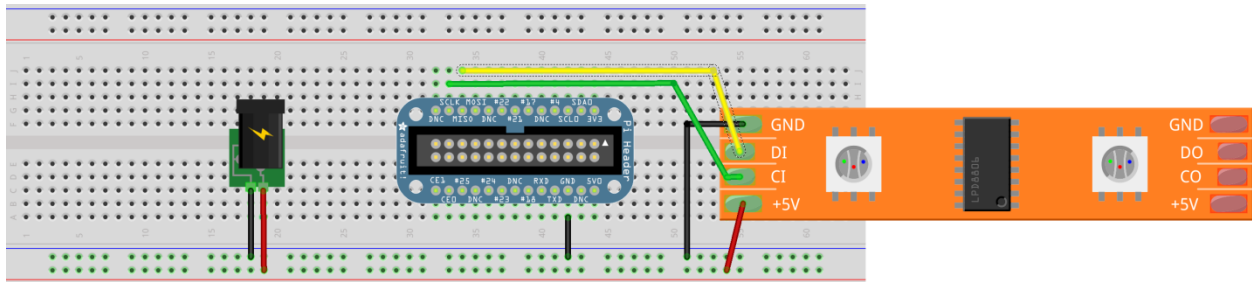
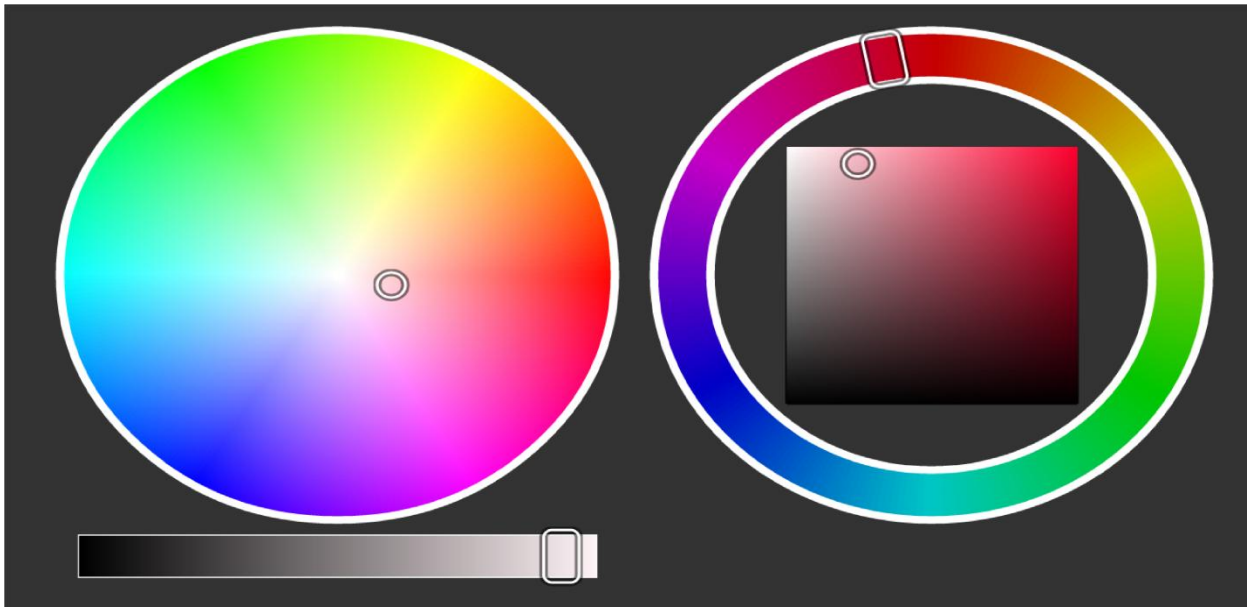




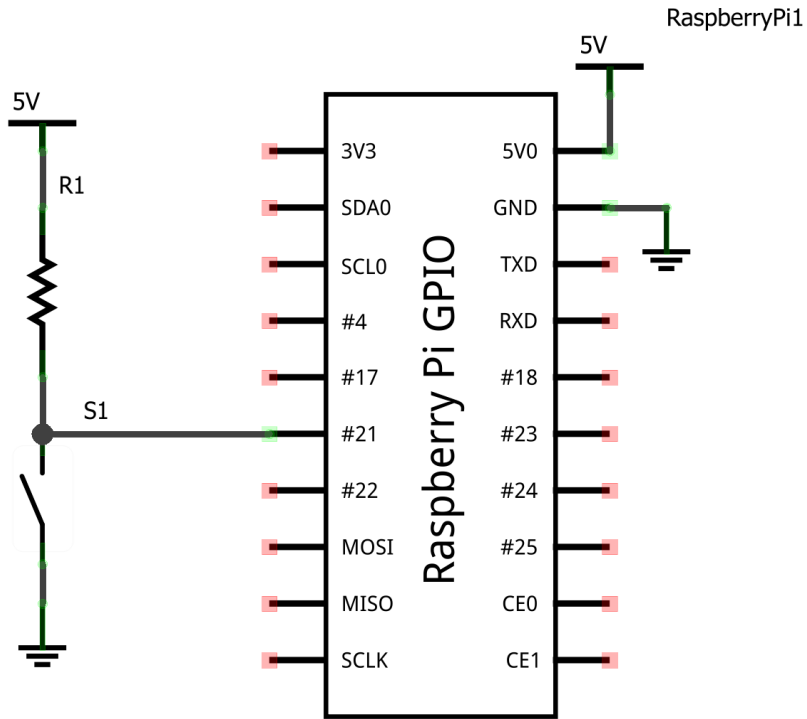


Hello World!

```
pi@raspberrypi: ~  
cachefiles      mmcblk0p1      root           tty23         tty48  
char            mmcblk0p2      servoblaster   tty24         tty49  
console         net            shm           tty25         tty5  
cpu_dma_latency network_latency snd            tty26         tty50  
disk            network_throughput sndstat        tty27         tty51  
fb0             null           spidev0.0     tty28         tty52  
fd              ppp            spidev0.1     tty29         tty53  
full           ptmx           stderr         tty3          tty54  
fuse           pts            stdin          tty30         tty55  
hidraw0         ram0           stdout         tty31         tty56  
hidraw1         ram1           tty            tty32         tty57  
input           ram10          tty0           tty33         tty58  
kmsg           ram11          tty1           tty34         tty59  
log            ram12          tty10          tty35         tty6
```

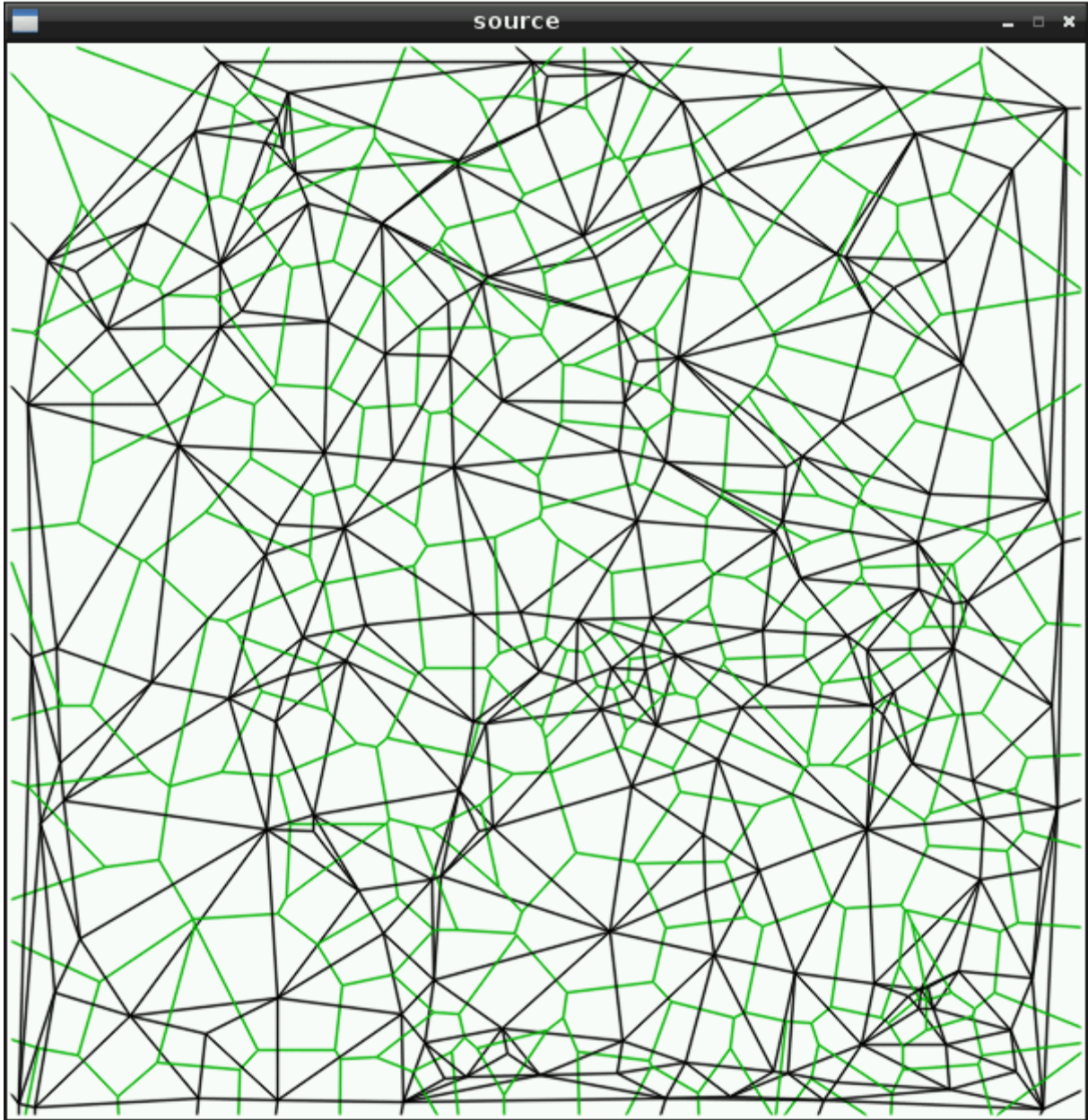


fritzing

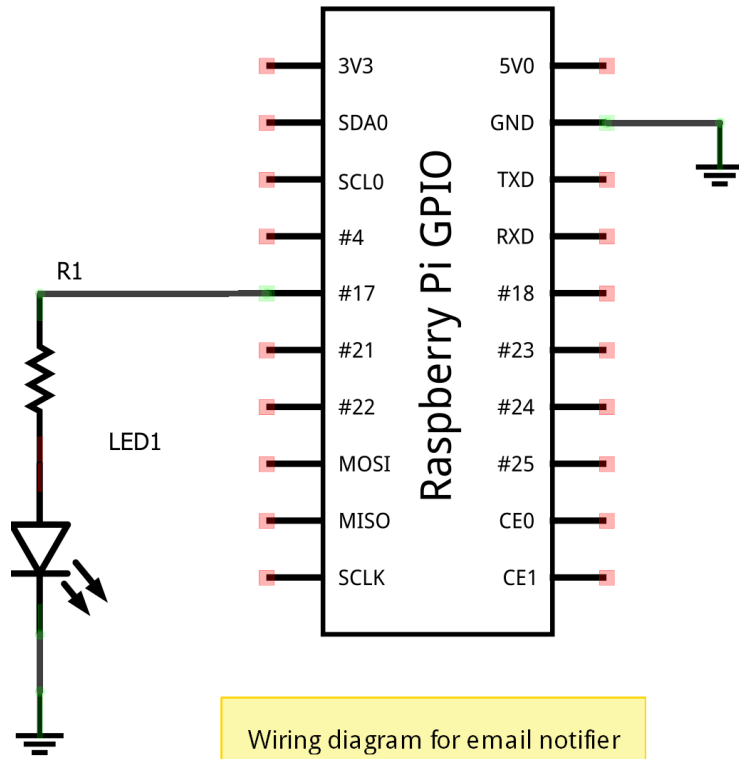




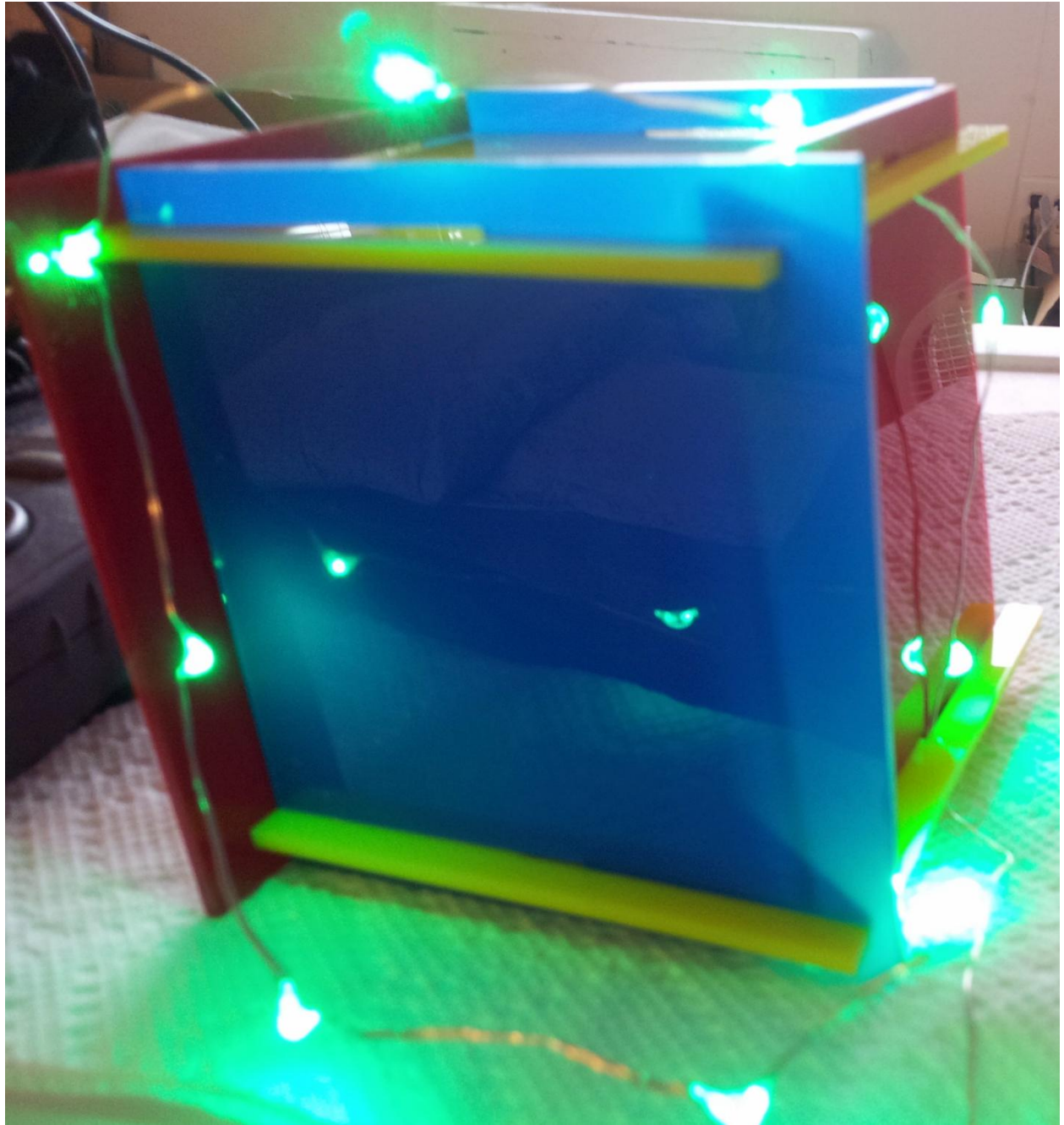
# Chapter 6



# RaspberryPi GPIO

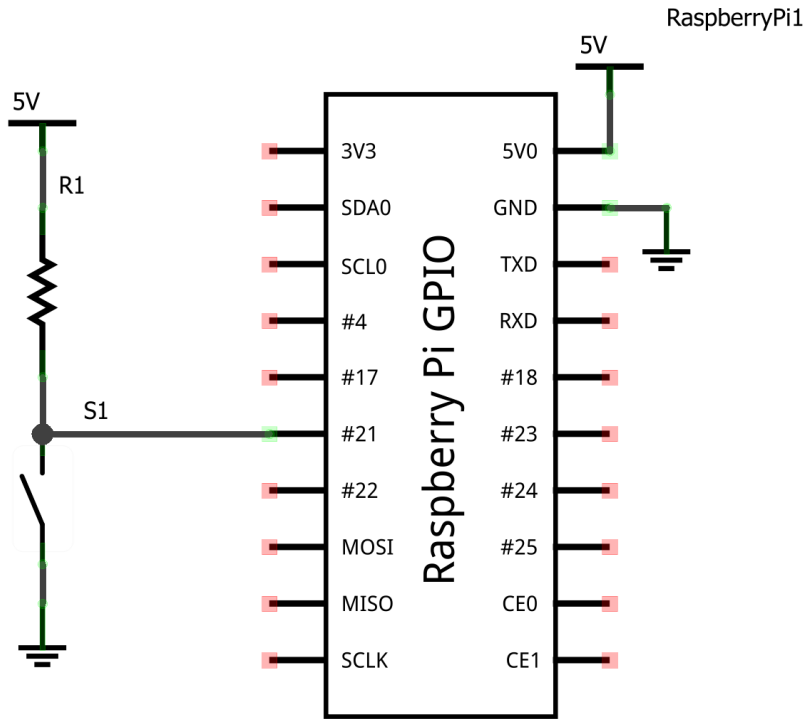




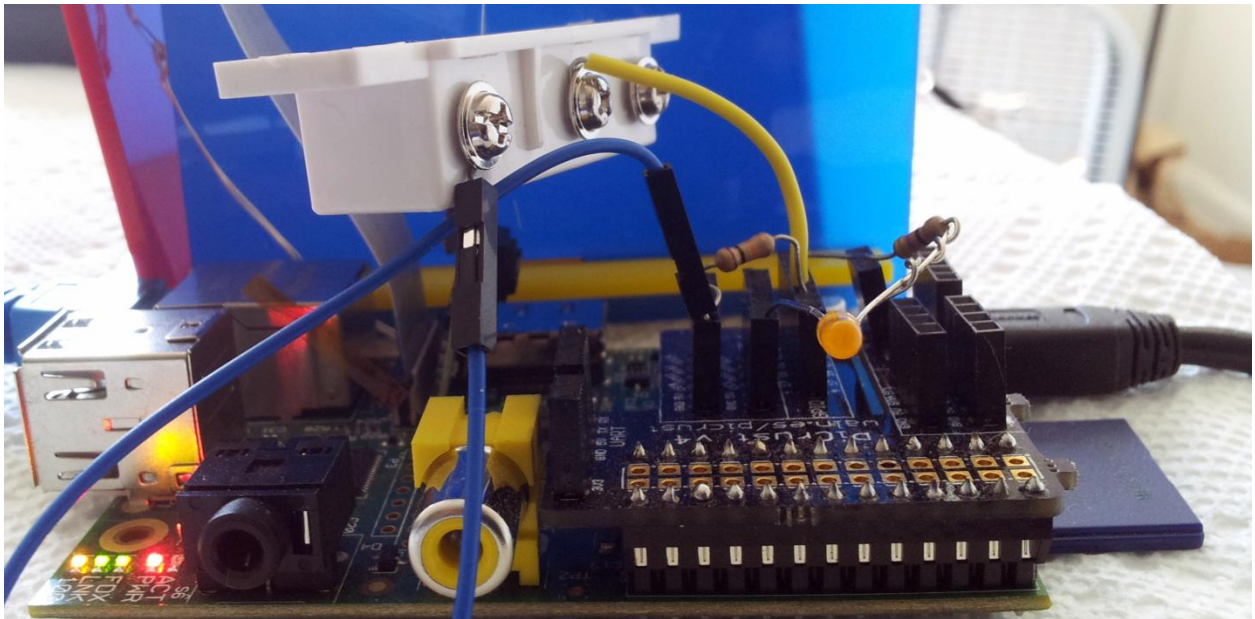


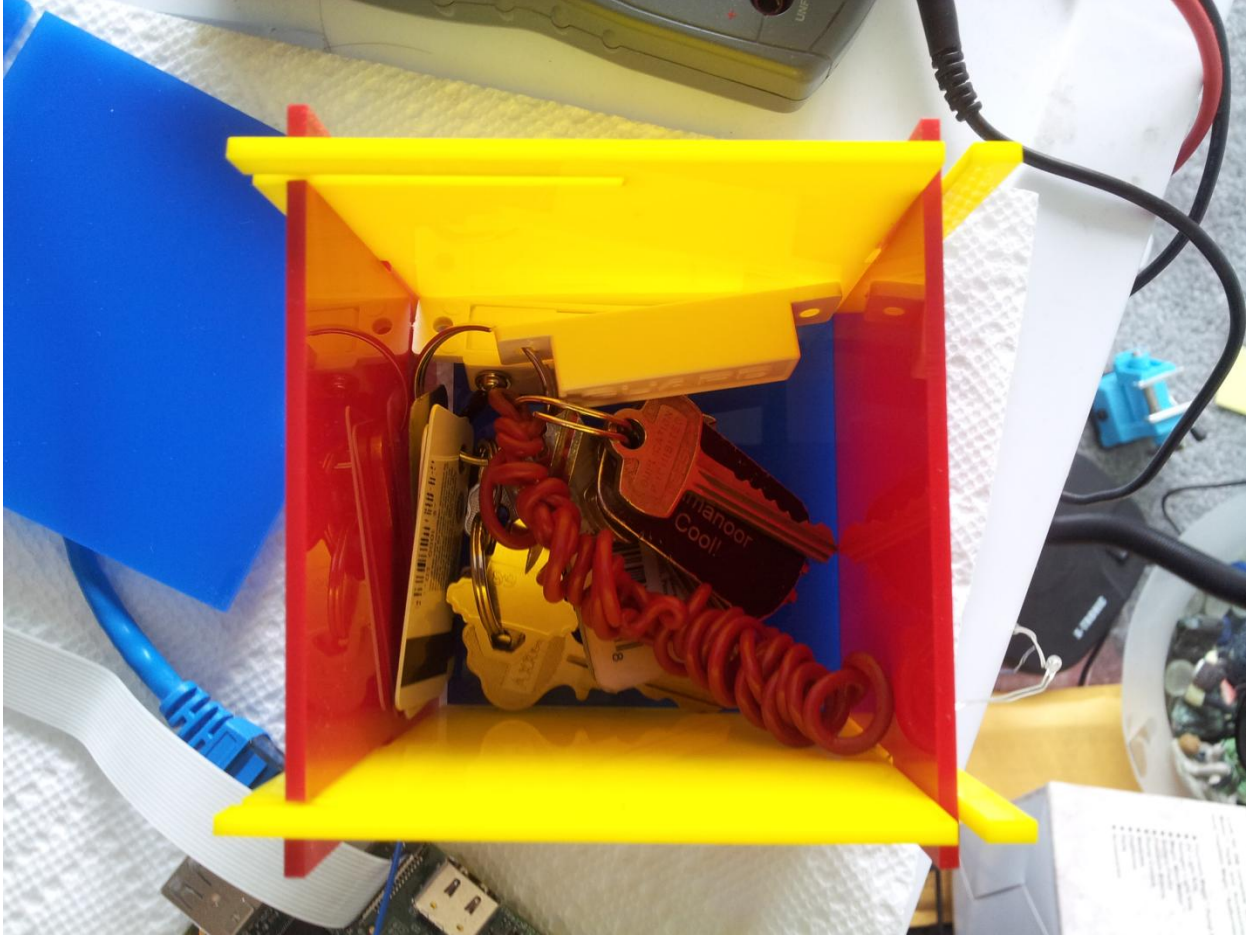






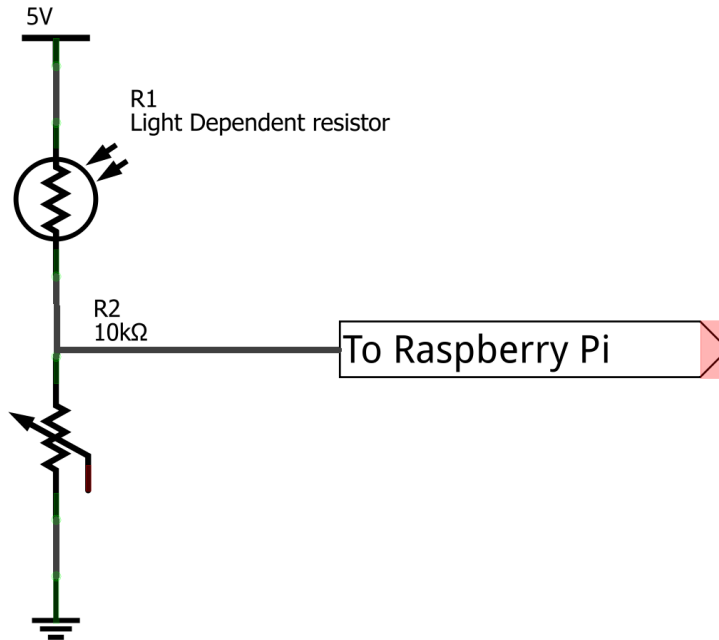
Made with  Fritzing.org



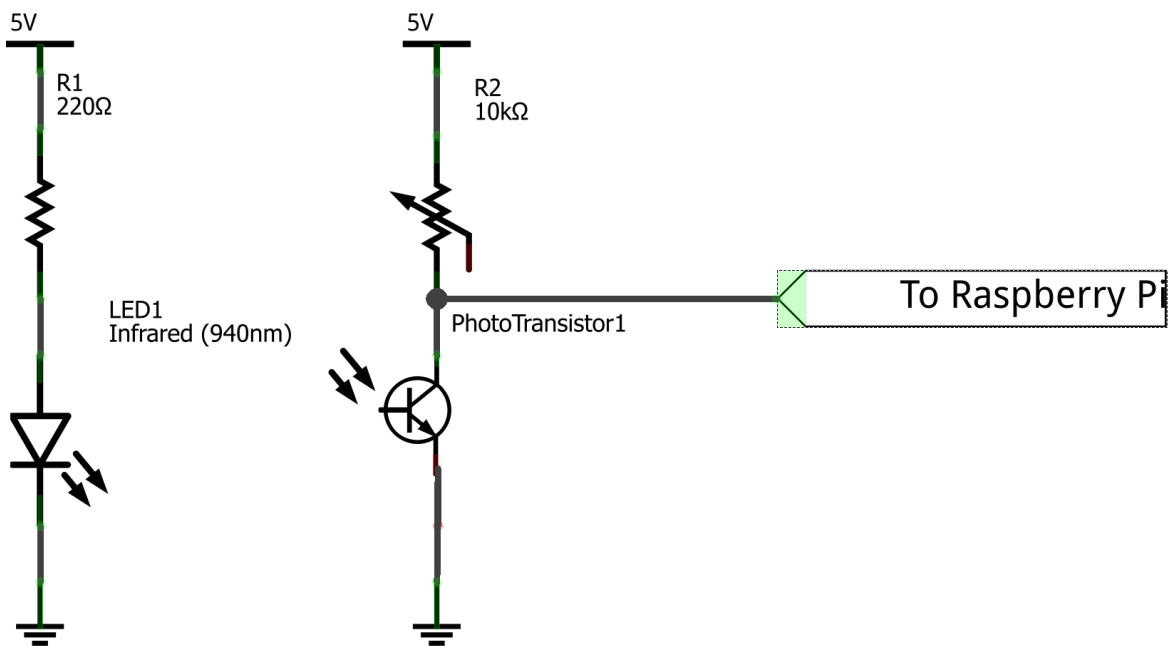




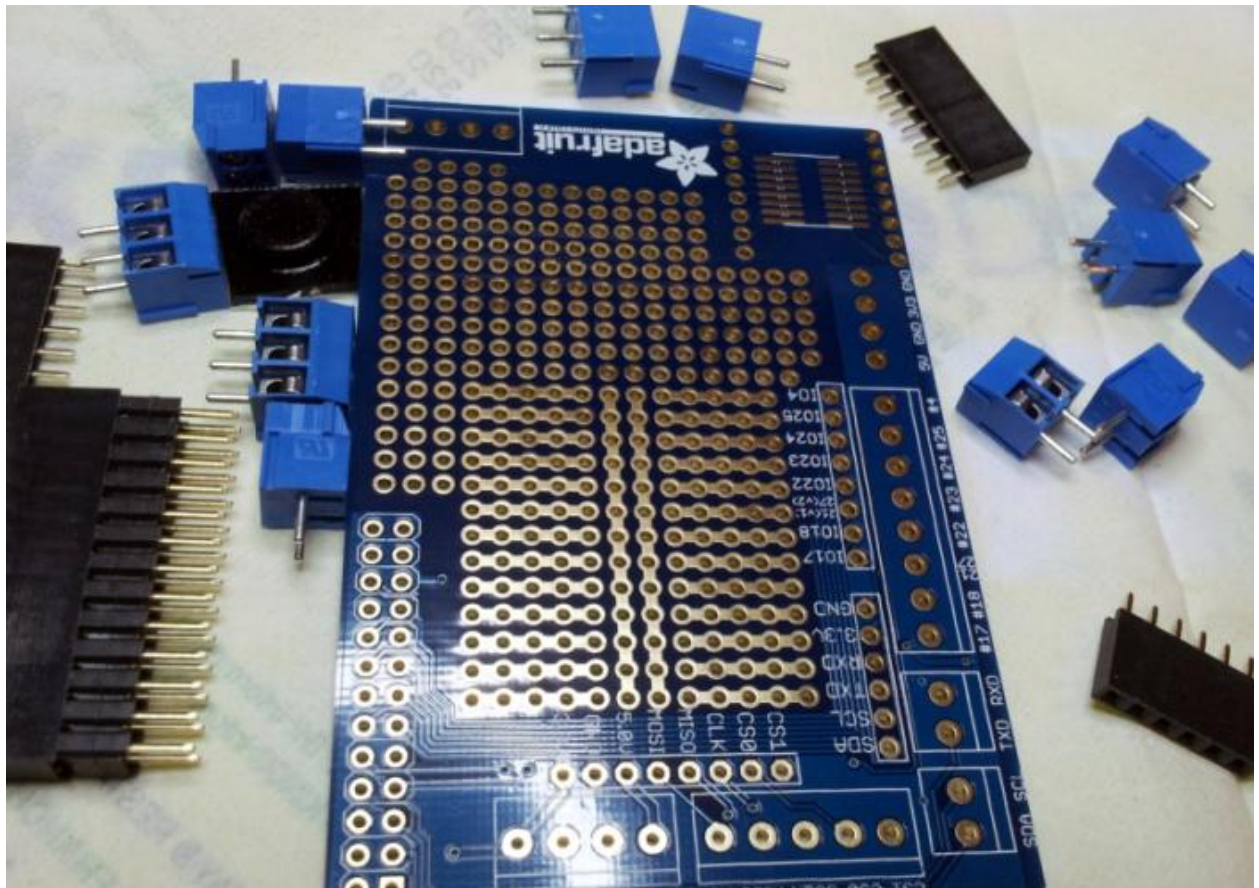
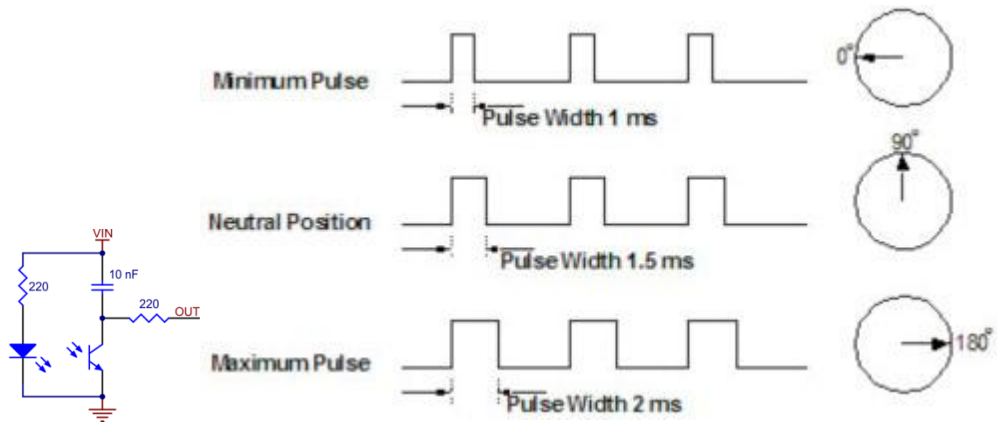
# Chapter 7



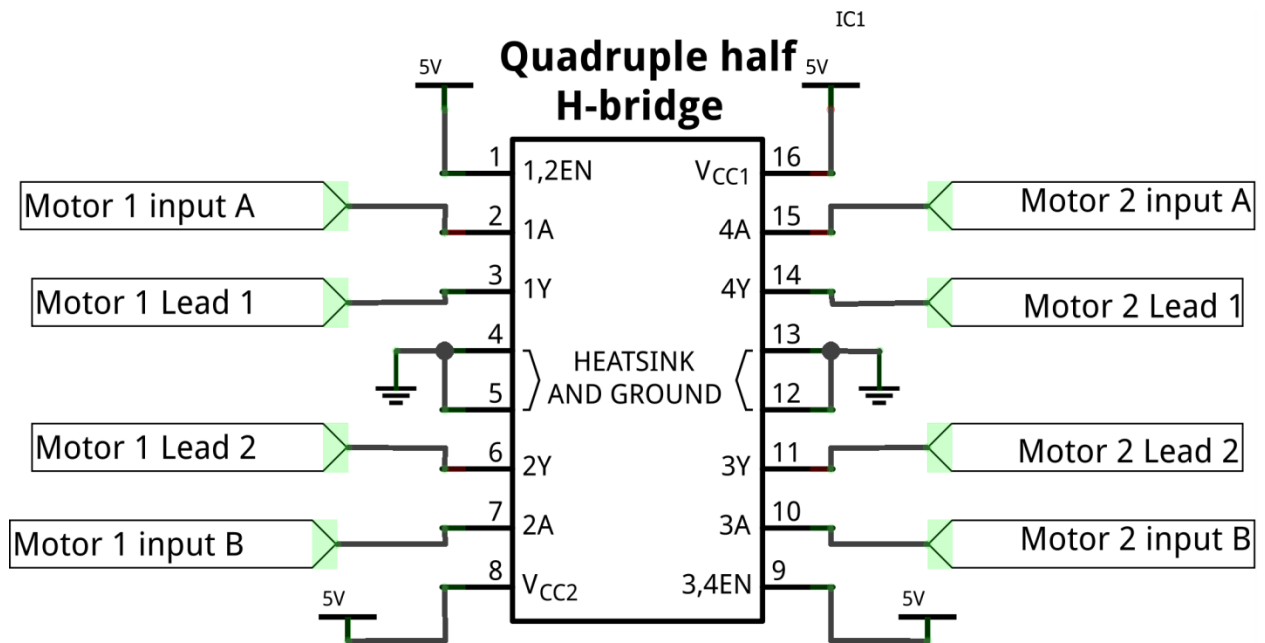
Made with  Fritzing.org

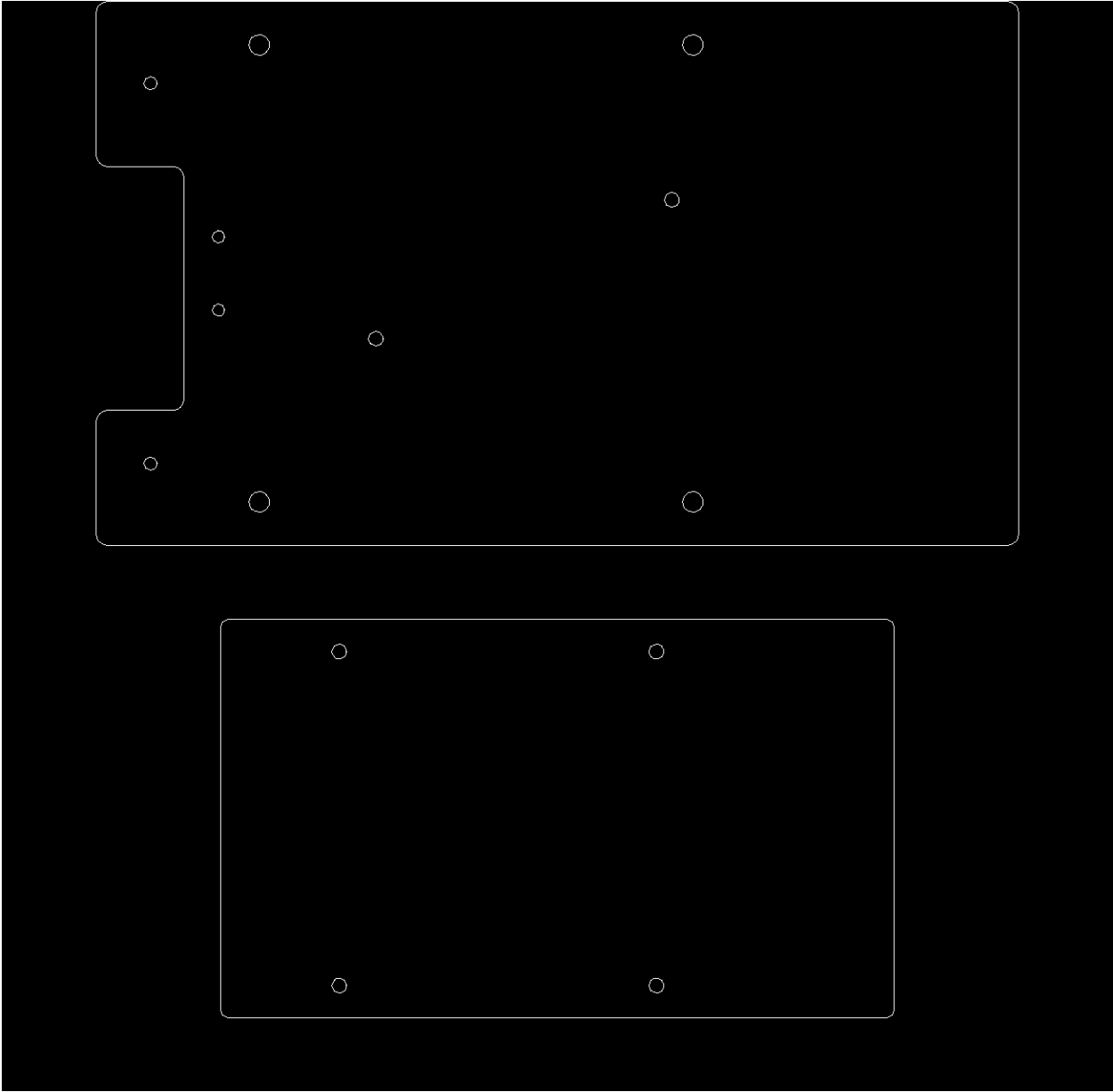


Made with  Fritzing.org



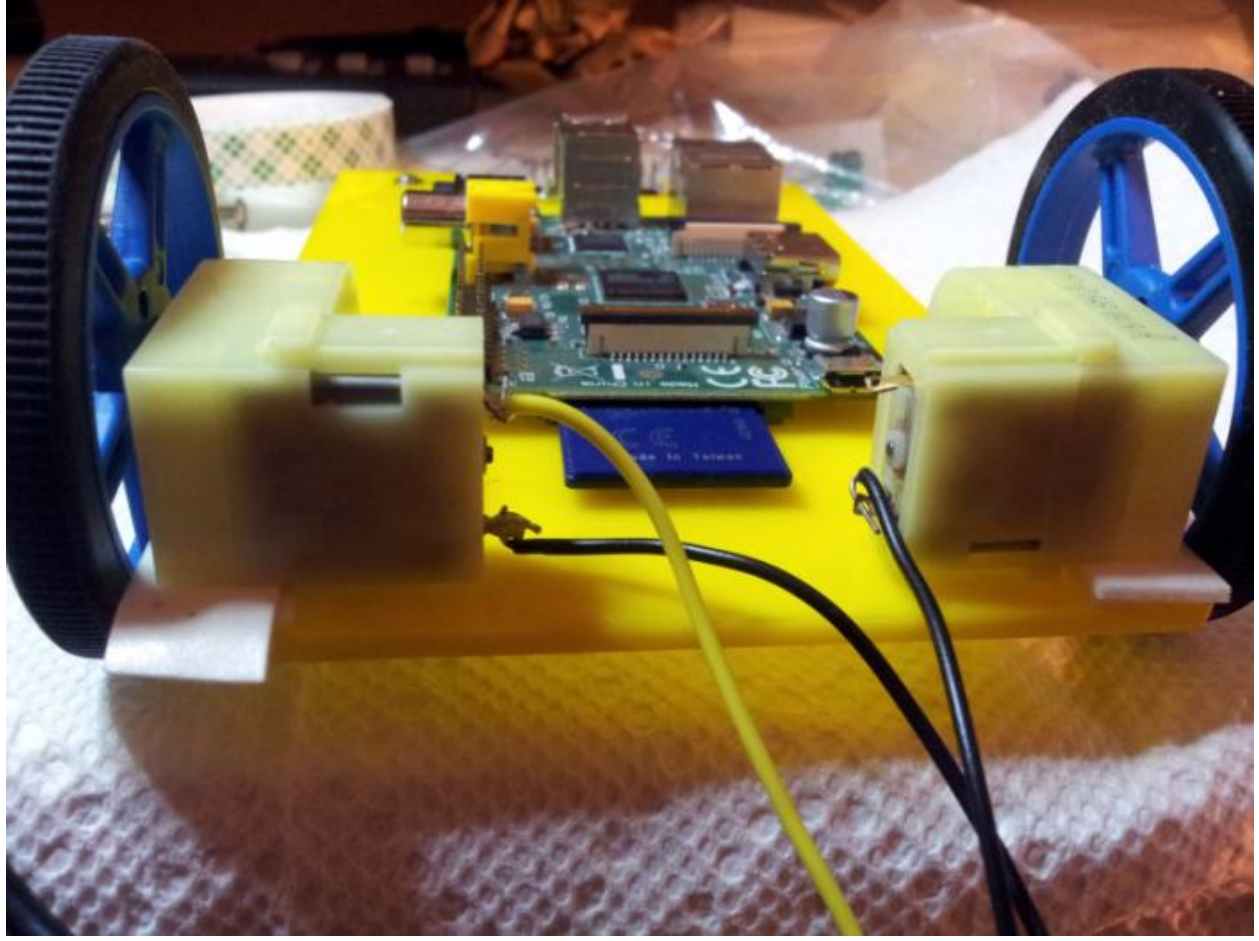
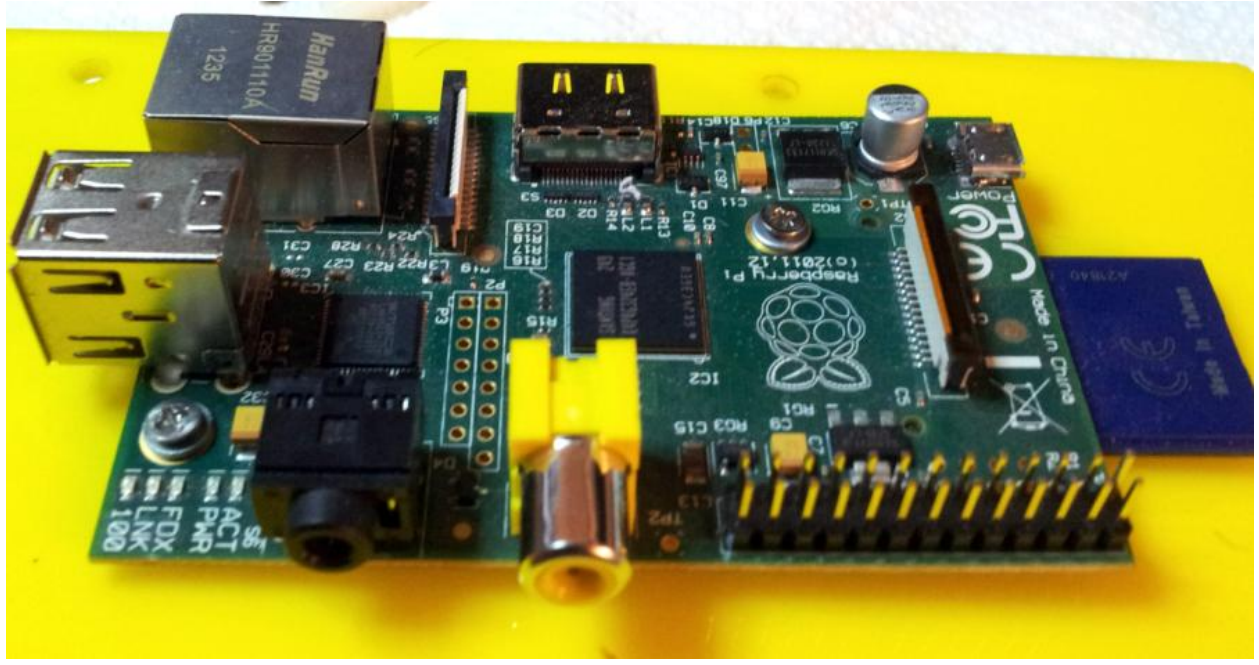






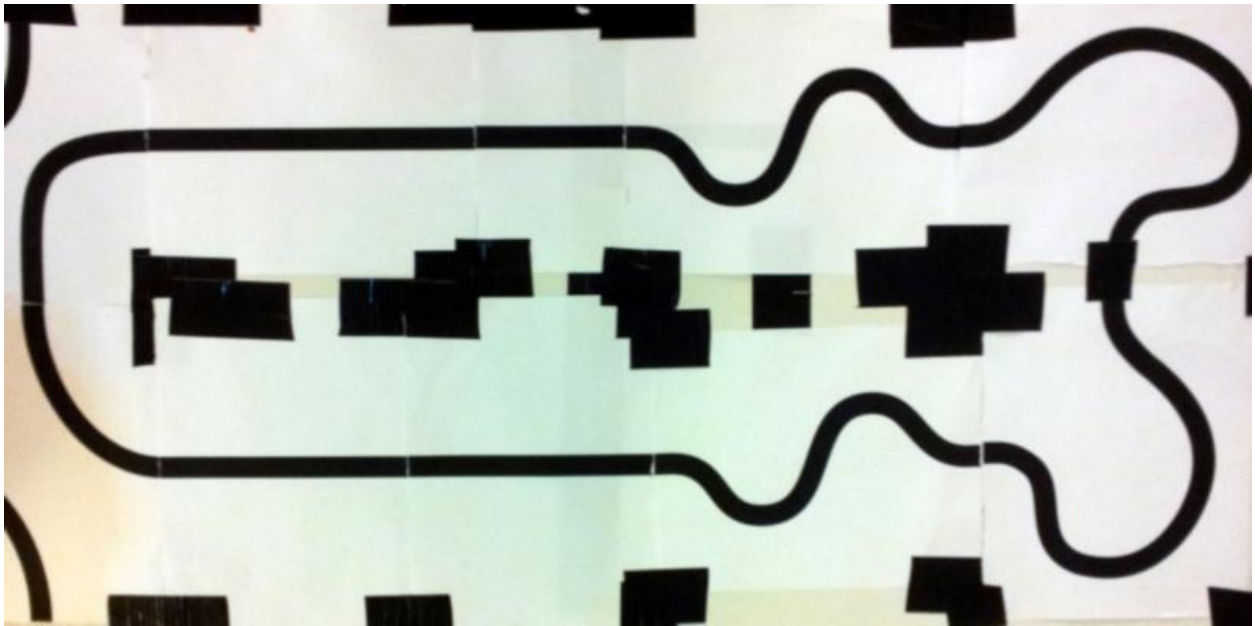
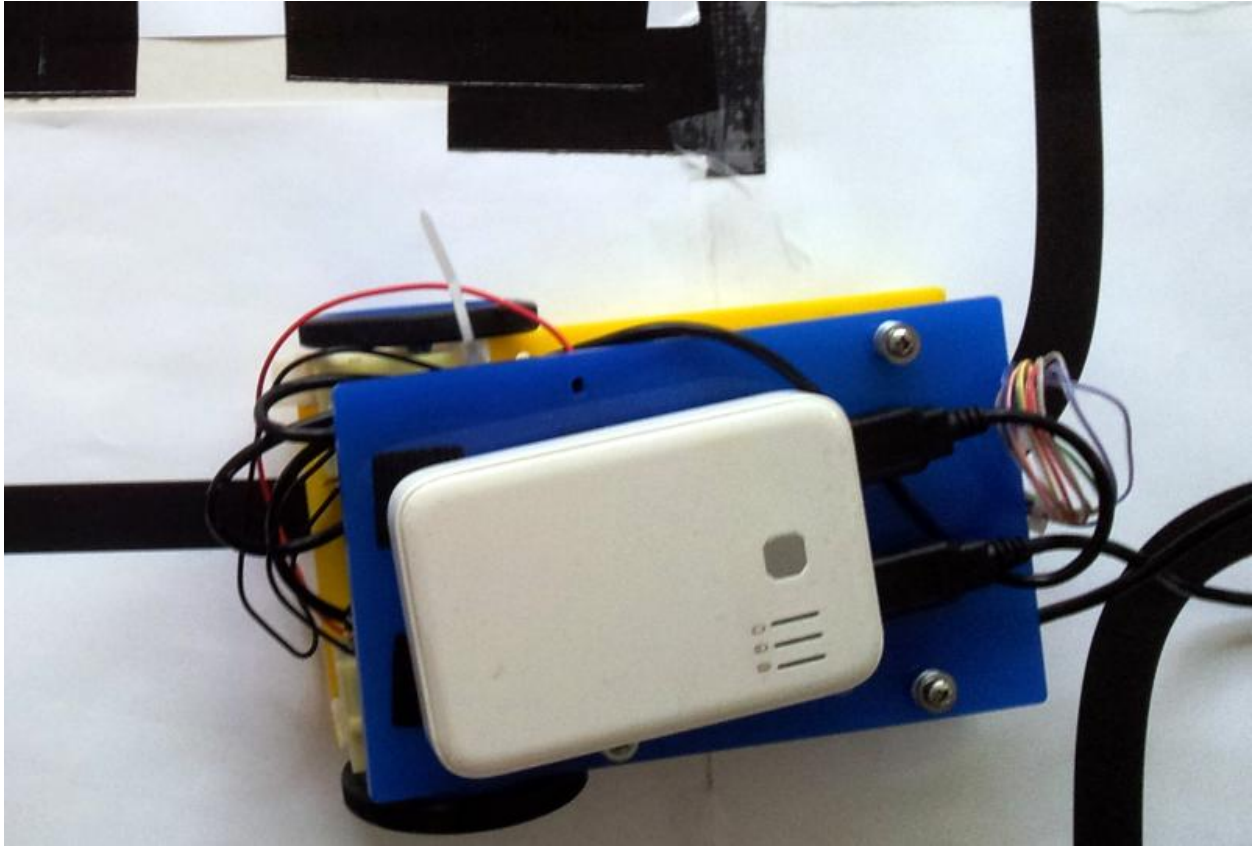


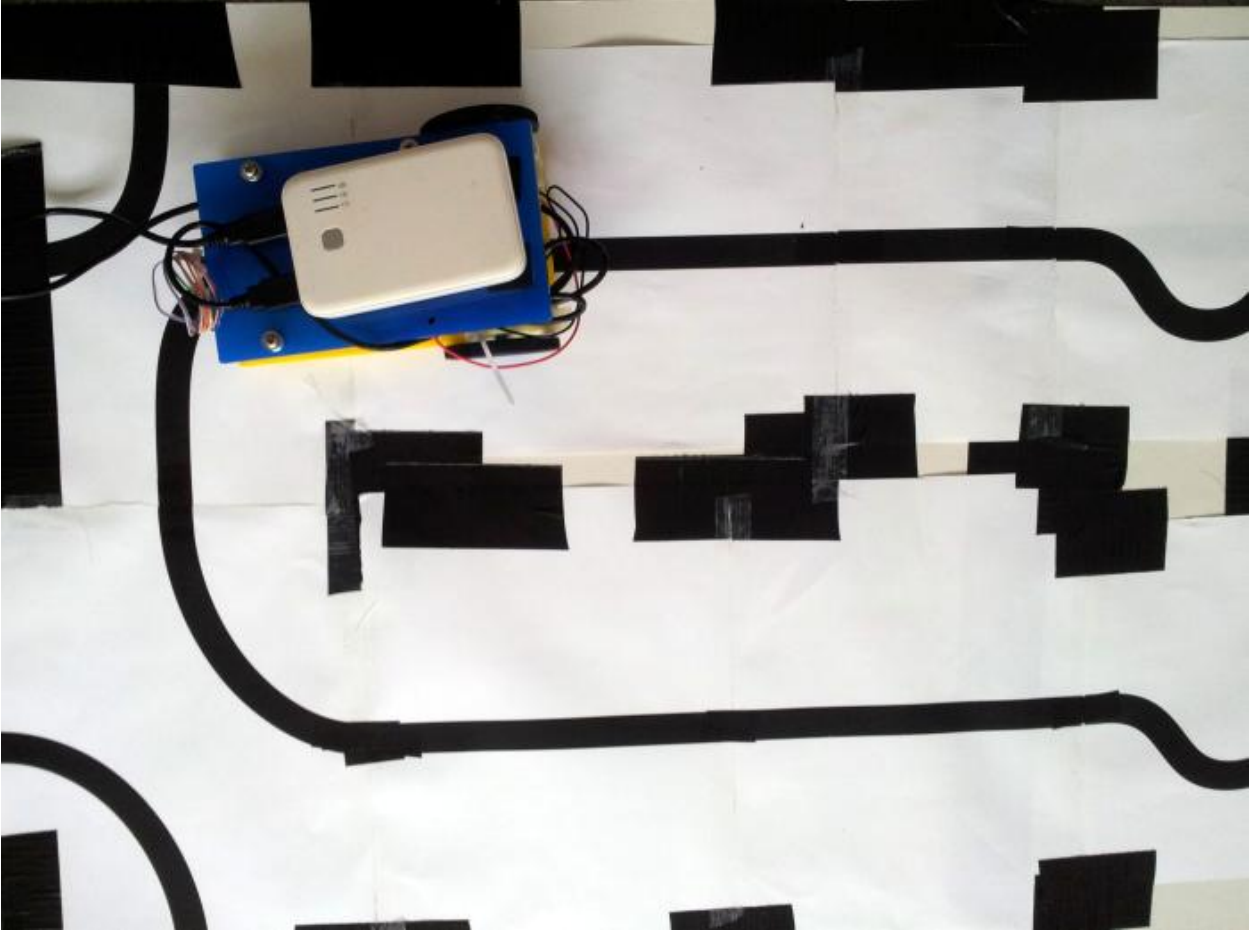


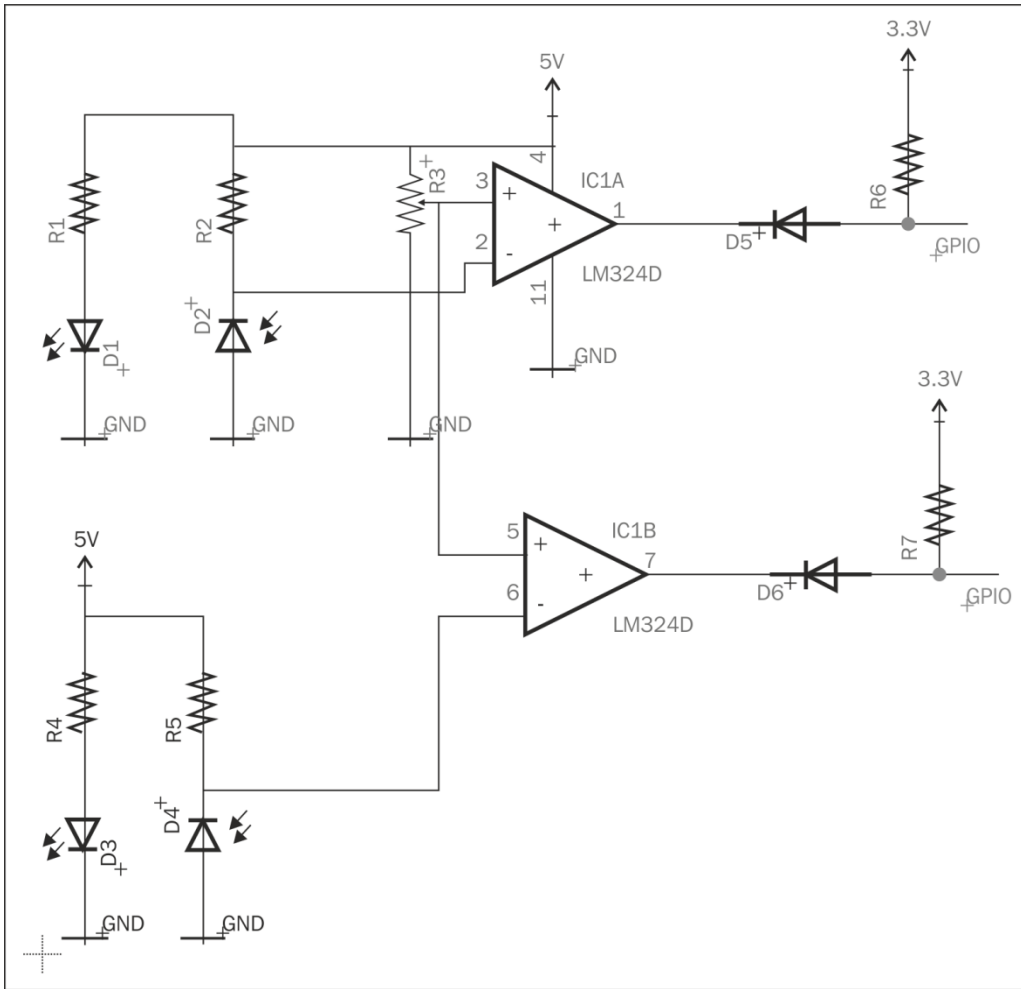












**FUNCTION TABLE  
(each driver)**

INPUTS†		OUTPUT
A	EN	Y
H	H	H
L	H	L
X	L	Z

H = high-level, L = low-level

X = irrelevant

Z = high-impedance (off)

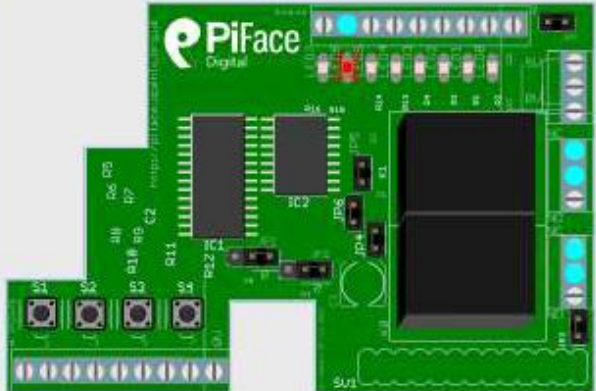
† In the thermal shutdown mode, the output is in a high-impedance state regardless of the input levels.

# Chapter 8





PiFace Emulator



Pi Face detected!

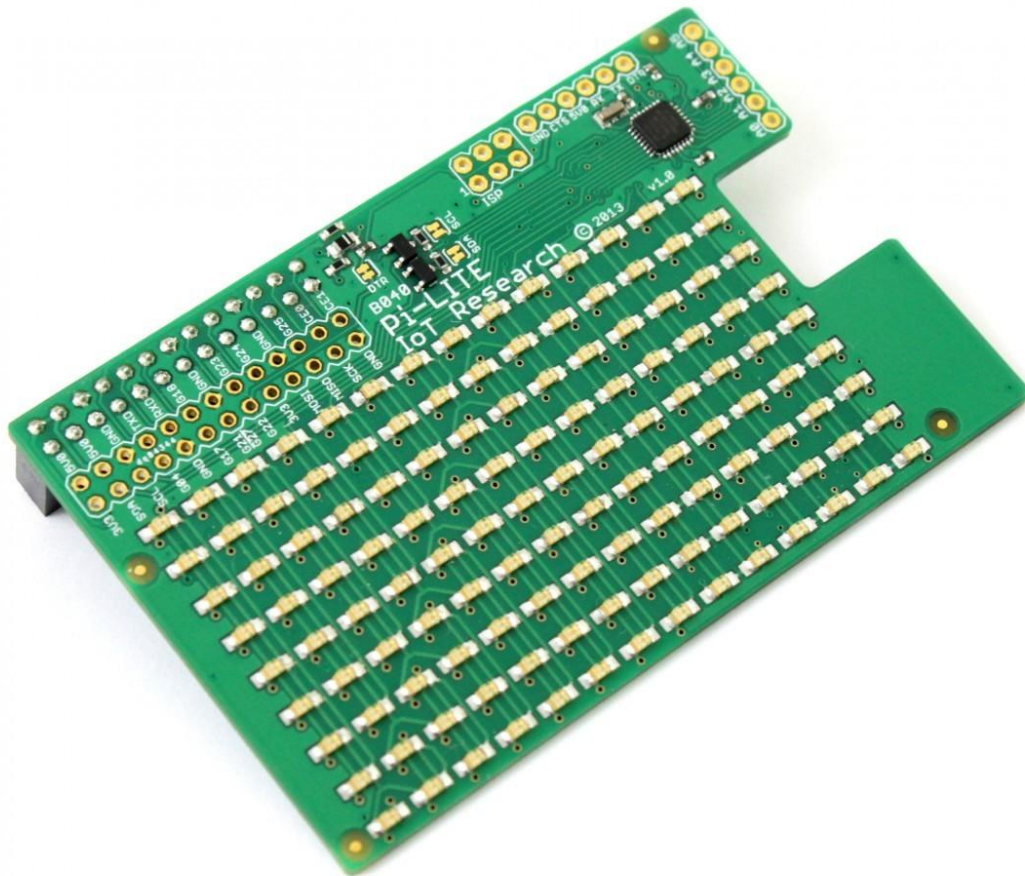
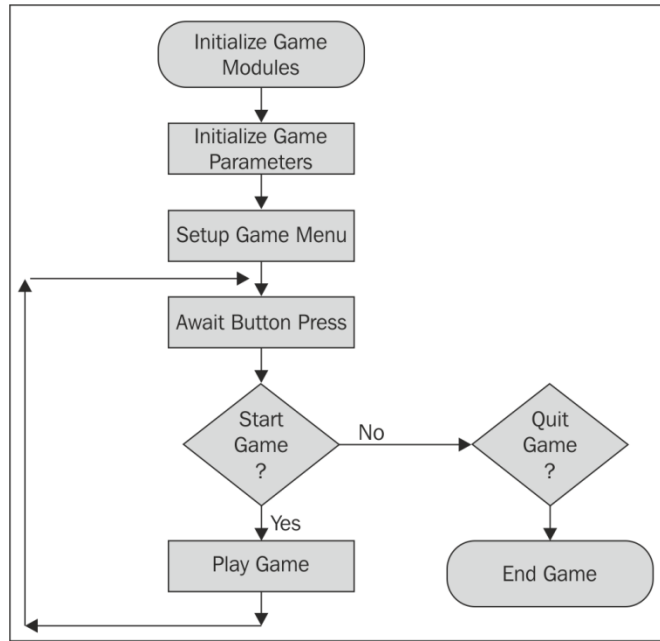
Keep inputs updated      500 ms interval

SPI Visualiser

Enable pullups

Override Enable		
Output Pin 0		
Output Pin 1		
Output Pin 2		
Output Pin 3		
Output Pin 4		
Output Pin 5		
Output Pin 6		
Output Pin 7		
All on	All off	Flip

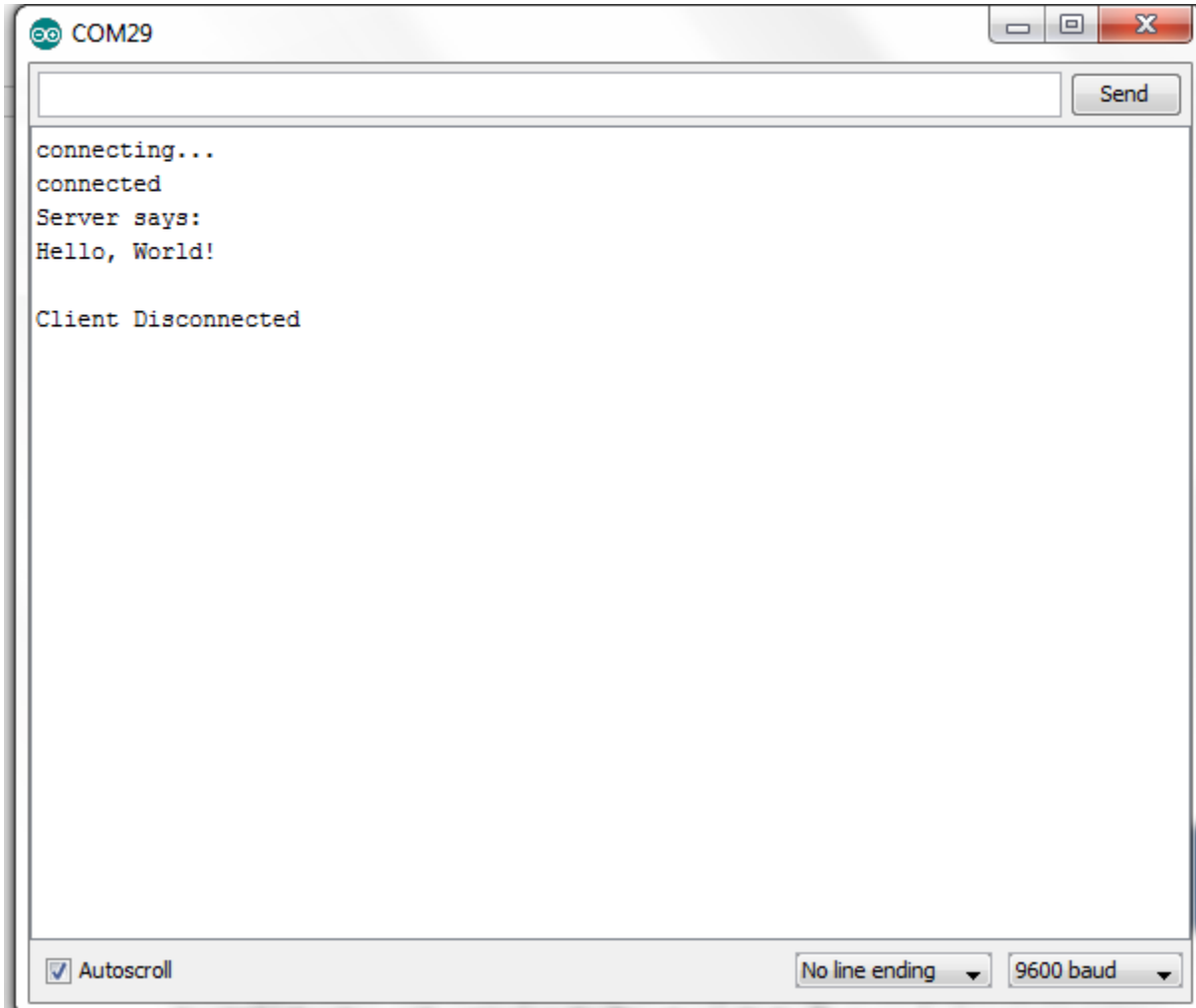
The image shows a software window titled "PiFace Emulator". On the left, there is a digital representation of the PiFace Digital PCB, showing its components and pin headers. Below the PCB, the text "Pi Face detected!" is displayed. There are three checkboxes: "Keep inputs updated" (unchecked), "SPI Visualiser" (unchecked), and "Enable pullups" (checked). A text input field shows "500 ms interval". On the right side of the window, there is a control panel with a list of output pins from "Output Pin 0" to "Output Pin 7". The "Override Enable" and "Output Pin 6" rows are highlighted in grey. At the bottom of the control panel, there are three buttons: "All on", "All off", and "Flip".







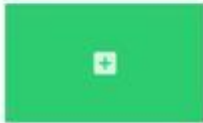
# Chapter 9







CODER



Space Rocks!

EyeBall

Hello Coder

# Chapter 10

## Form To Record Health Parameters

Blood Pressure:

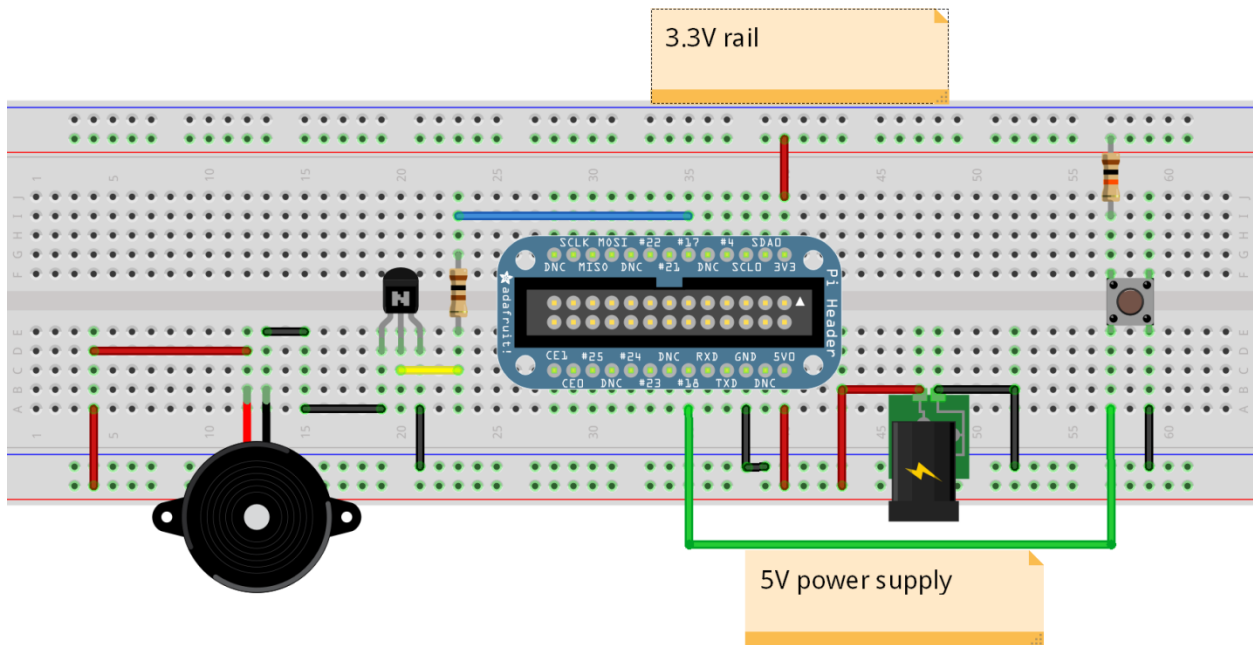
SpO<sub>2</sub>:

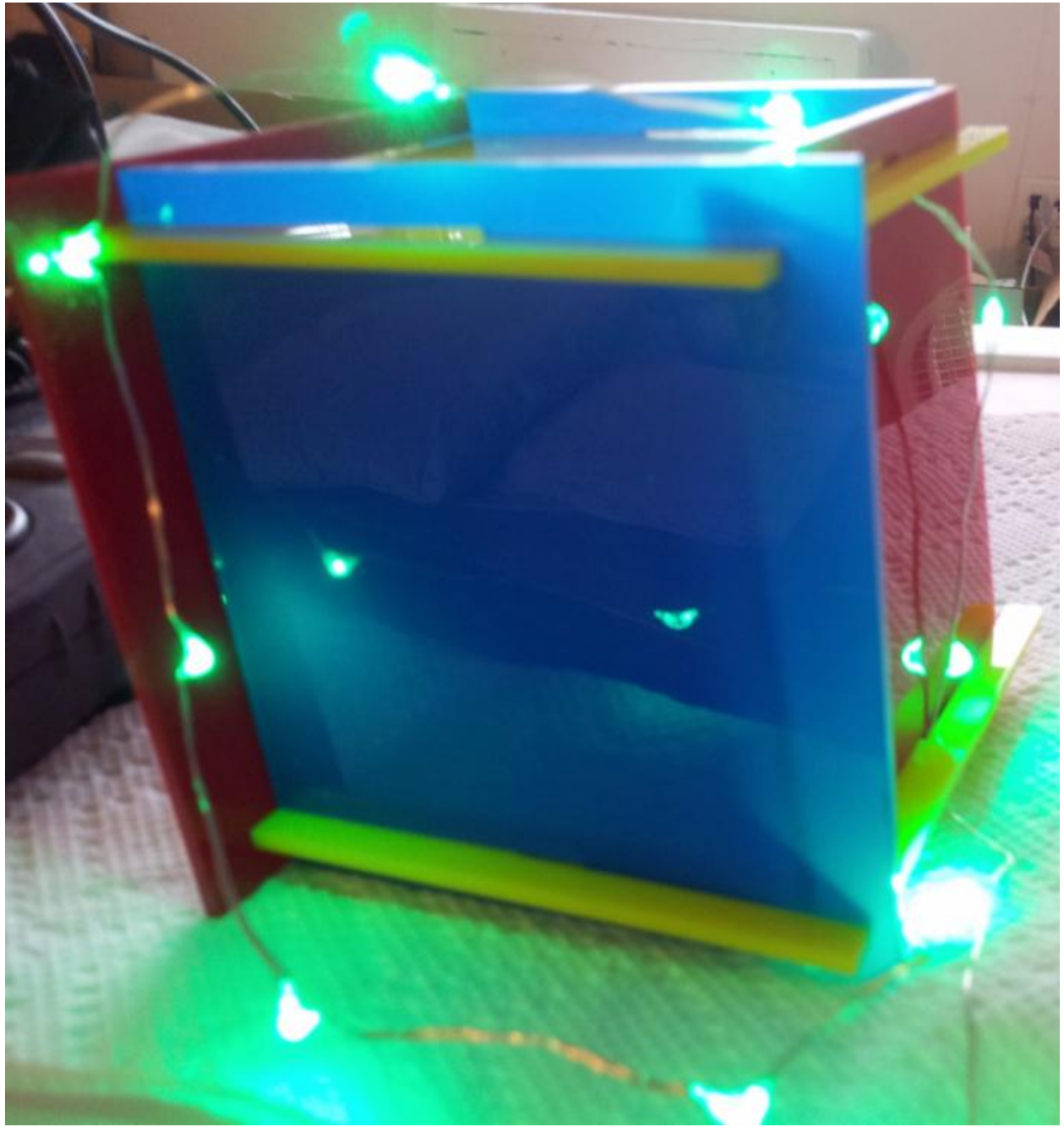
Pulse:

Submit Record

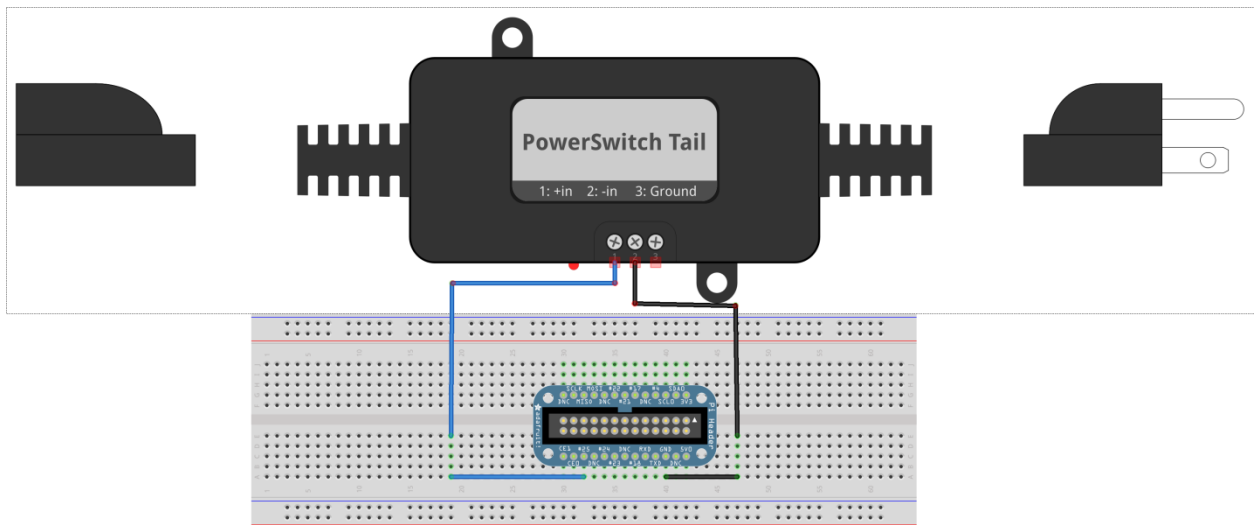
## Your Data Has Been Recorded To A CSV File!

Data Recorded: Blood Pressure: **120/80** Oxygen Saturation:**99** Pulse:**78**





# Chapter 11

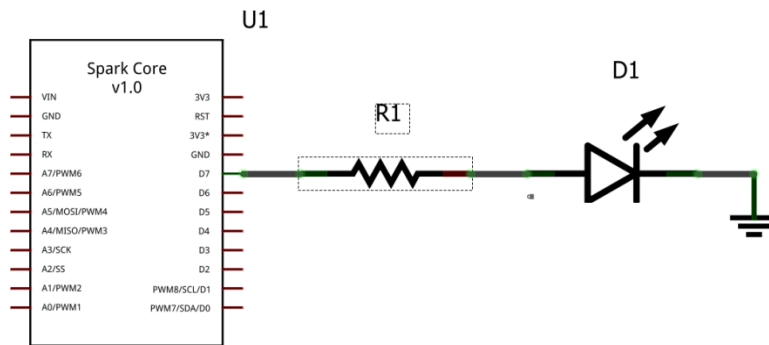
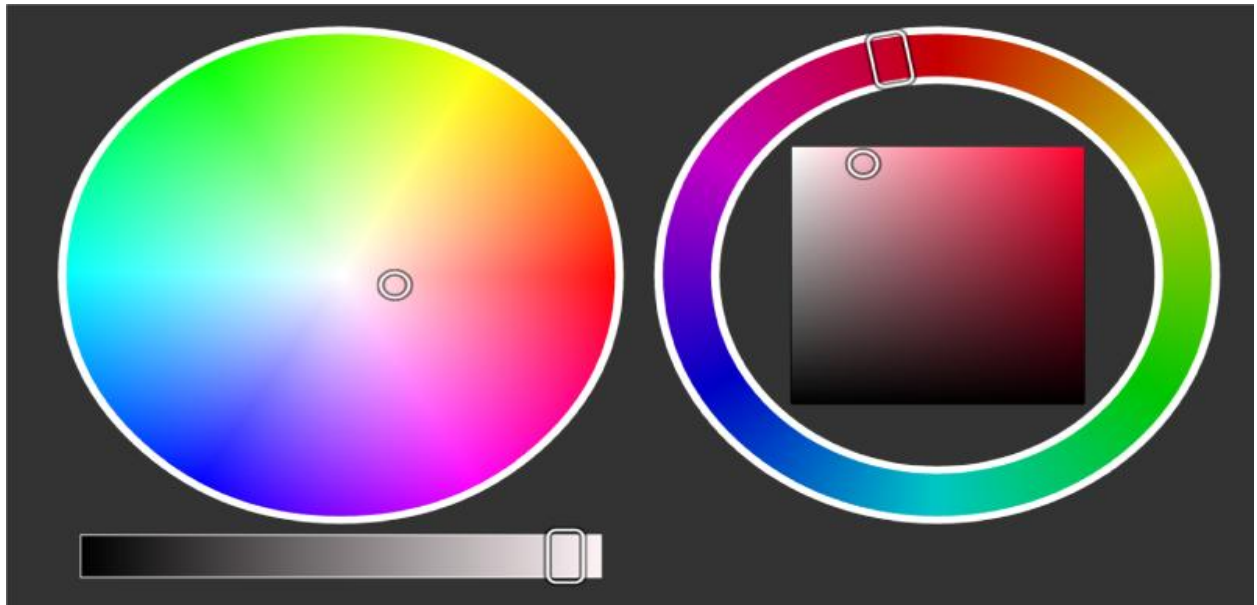


### Raspberry Pi Home Automation Example

Sample Button

pi@raspberrypi: ~

cachefiles	mmcblk0p1	root	tty23	tty48
char	mmcblk0p2	servoblaster	tty24	tty49
console	net	shm	tty25	tty5
cpu_dma_latency	network_latency	snd	tty26	tty50
disk	network_throughput	sndstat	tty27	tty51
fb0	null	spidev0.0	tty28	tty52
fd	ppp	spidev0.1	tty29	tty53
full	ptmx	stderr	tty3	tty54
fuse	pts	stdin	tty30	tty55
hidraw0	ram0	stdout	tty31	tty56
hidraw1	ram1	tty	tty32	tty57
input	ram10	tty0	tty33	tty58
kmsg	ram11	tty1	tty34	tty59
log	ram12	tty10	tty35	tty6



Made with Fritzing.org



← → ↻ <https://www.spark.io/build/>

### Spark Cores

**POWER\_BACON** ▾

Device ID:

```
spark-rc-car-example.ino
1  /* A Spark function to p
2  int blinkControl(String
3
4  /* Globals -----
5  bool key = 1;
6  int led2 = D7; // This
7  /* This function is call
8  void setup()
9  {
10 //Register Spark functi
11 Spark.function("blink"
12
13 pinMode(led2,OUTPUT);
14 }
15
```

← → ↻ <https://www.spark.io/build/>

### Settings

Access Token

```
spark-rc-car-example.ino lib
1  /* A Spark function to pa
2  int blinkControl(String
3
4  /* Globals -----
5  bool key = 1;
6  int led2 = D7; // This or
7  /* This function is calle
8  void setup()
9  {
10 //Register Spark functi
11 Spark.function("blink",
12
13 pinMode(led2,OUTPUT);
14 }
15
16 /* This function loops fo
17 void loop()
18 {
19 if(key){
20
21
22 digitalWrite(led2,
23 delay(1000);
24
25 digitalWrite(led2,
26 delay(1000);
27 }
```

# Chapter 12

LEARN COACH



Practicing Adding and subtracting polynomials

Simplify the expression.

$$(3a^7 - 2a^4 - 3a^3) + (a^5 + 5a^3)$$

Since we are adding polynomials, we can simply remove the parentheses.

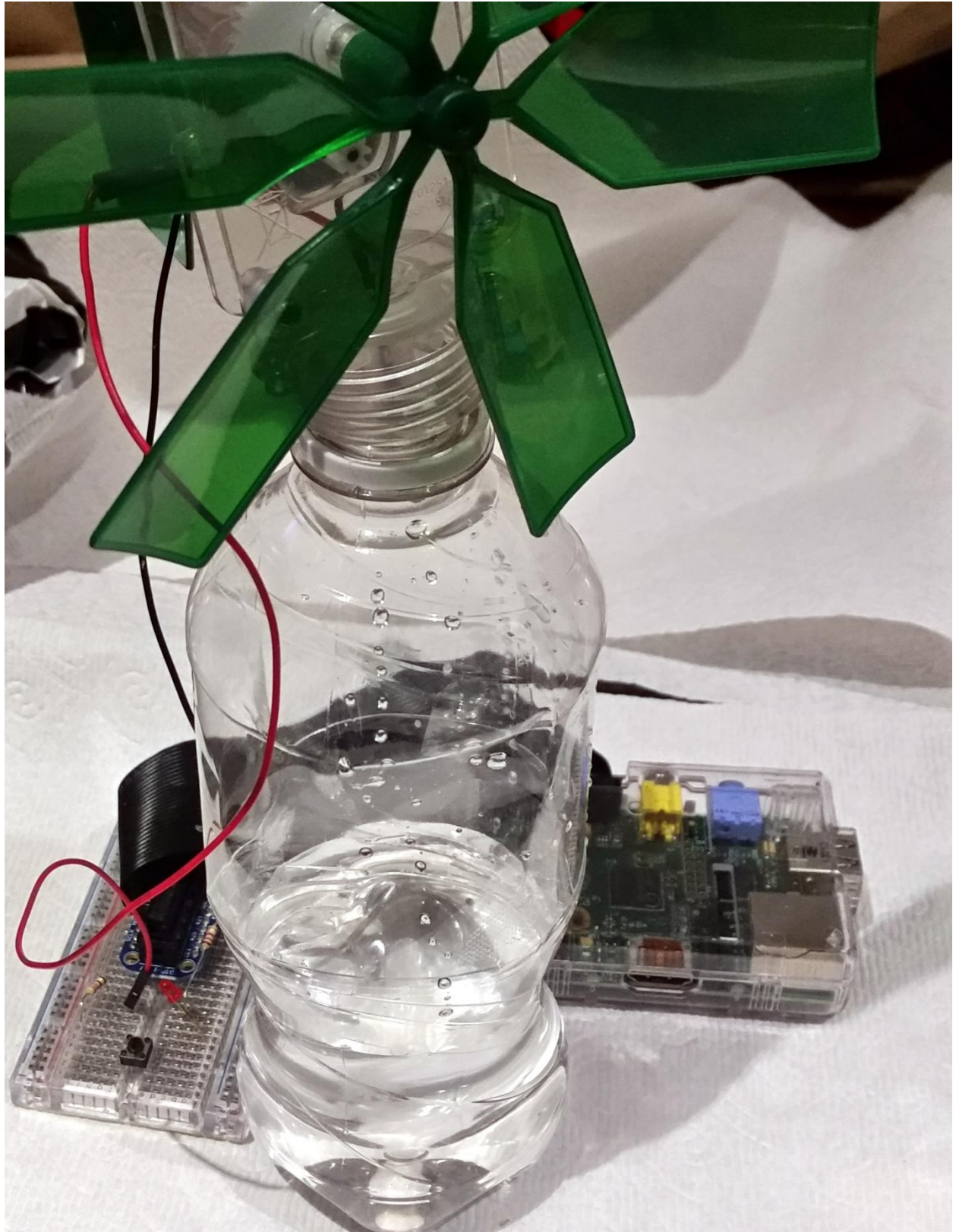
$$3a^7 - 2a^4 - 3a^3 + a^5 + 5a^3$$

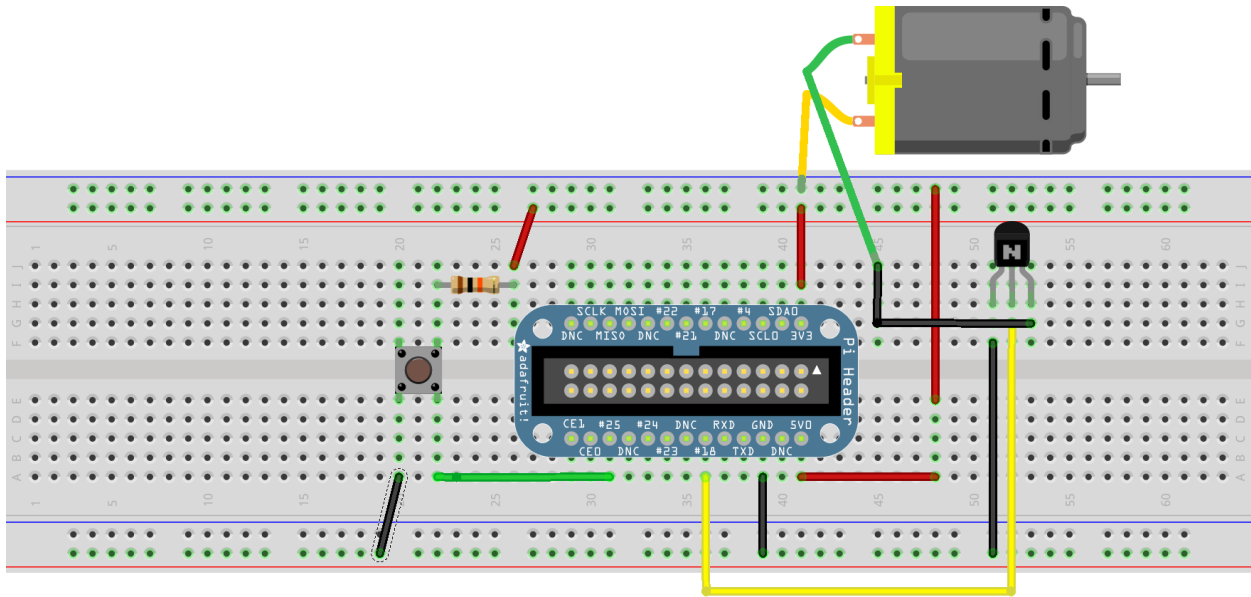
Answer

Check Answer

Need help?

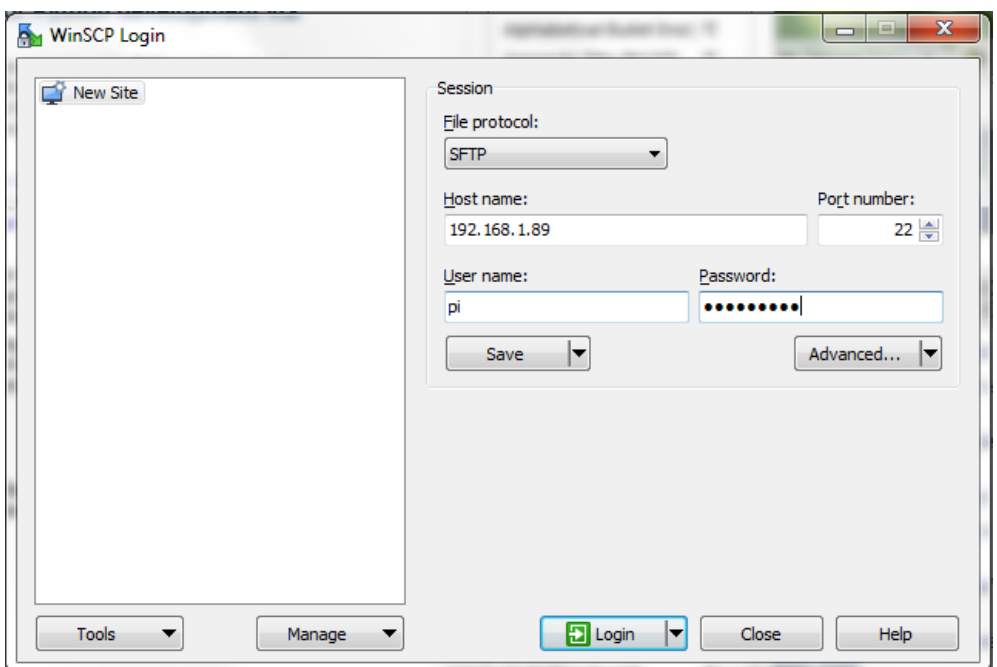
I'd like another hint (3 hints left)





fritzing

# Chapter 13



Python\_Framework - pi@192.168.1.89 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

pi@192.168.1.89 New Session

C: OS pi

Upload Edit Properties Download Edit Properties Find Files

C:\Users\SAI\OneDrive\Python\_Framework /home/pi

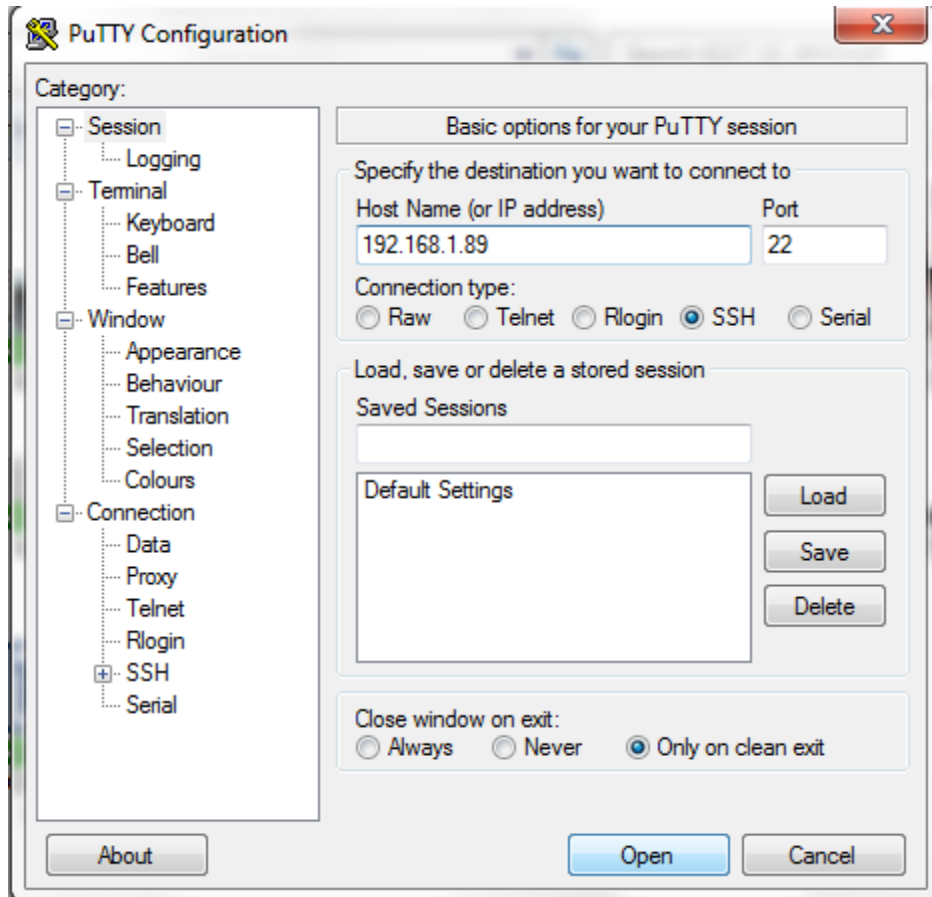
Name	Ext	Size	Type	Changed
ampserver.py		1,321 B	Python File	12/16/201
ampserver.pyc		2,601 B	Compiled Python ...	12/16/201
BeatsClient.py		812 B	Python File	12/16/201
BeatsServer.py		1,465 B	Python File	12/17/201
BeatsServer.pyc		1,414 B	Compiled Python ...	12/16/201
blink.py		250 B	Python File	12/29/201
chat.py		1,426 B	Python File	12/15/201
client.py		163 B	Python File	12/29/201
CountDownTask.py		596 B	Python File	12/29/201
datetime		132 B	File	12/29/201
datetime.py		391 B	Python File	12/29/201
datetime_example.py		1,251 B	Python File	12/30/201
echoserver.py		431 B	Python File	12/16/201
hello.py		151 B	Python File	12/26/201
input.py		214 B	Python File	12/29/201
ntplib-0.3.2.tar.gz		14,975 B	GZ File	1/6/2015
pywapi_example.py		741 B	Python File	12/30/201
requests.py		80 B	Python File	12/22/201
scheduler.py		329 B	Python File	12/29/201
simpleclient.py		1,219 B	Python File	1/5/2015
simpleclient.pyc		2,529 B	Compiled Python ...	12/29/201
simpleserv.py		1,173 B	Python File	1/6/2015

Name	Ext	Size	Changed	Rights
..			12/21/2014 3:13:18 AM	rw-r-xr-x
python_games			3/10/2013 3:20:03 AM	rw-rwxr-x
.bash_logout		220 B	12/21/2014 3:13:18 AM	rw-r--r-
.bashrc		3,243 B	12/21/2014 3:13:18 AM	rw-r--r-
.profile		675 B	12/21/2014 3:13:18 AM	rw-r--r-


Files located on the Raspberry Pi

Files located on the local machine

0 B of 35,626 B in 0 of 27 0 B of 4,138 B in 0 of 4 SFTP-3 0:00:49



Name your app

Create Cancel 

Blinky Lights

Hello Coder

Eyeball

Space Rocks!

10.0.0.8 editor

adafruit learning system  
Raspberry Pi WebIDE ALPHA

Connected | Log out

Adafruit\_I2C

test.py

Adafruit\_I2C.py

+ Create New File

+ Upload File

```
1 #!/usr/bin/python
2
3 import smbus
4
5 # =====
6 # Adafruit_I2C Base Class
7 # =====
8
9 class Adafruit_I2C :
10
11     def __init__(self, address, bus=smbus.SMBus(1), debug=False):
12         self.address = address
13         self.bus = bus
14         self.debug = debug
15
16     def reverseByteOrder(self, data):
17         "Reverses the byte order of an int (16-bit) or long (32-bit) value"
18         # Courtesy Vishal Sapre
19         dst = hex(data)[2:].replace('L','')
20         byteCount = len(dst[::2])
21         val = 0
22         for i, n in enumerate(range(byteCount)):
23             d = data & 0xFF
24             val |= (d << (8 * (byteCount - i - 1)))
25             data >>= 8
26         return val
27
28     def write8(self, reg, value):
29         "Writes an 8-bit value to the specified register/address"
30         try:
31             self.bus.write_byte_data(self.address, reg, value)
32             if (self.debug):
33                 print "I2C: Wrote 0x%02X to register 0x%02X" % (value, reg)
```

Adafruit WebIDE v0.2.5

Scheduler Active | Schedule Manager

The ThingBox powered by Node-RED

Deploy

Sheet 1 | Sheet 2 | Sheet 3 | System

tcp

udp

MQ

function

function

template

delay

trigger

comment

http request

tcp request

switch

change

range

filter

inject

f

debug

info

debug

1/10/2015, 2:30:12 PM [809893f2-467154]  
Sat Jan 10 2015 22:30:11 GMT+0000 (UTC)

1/10/2015, 2:30:15 PM [809893f2-467154]  
Sat Jan 10 2015 22:30:15 GMT+0000 (UTC)