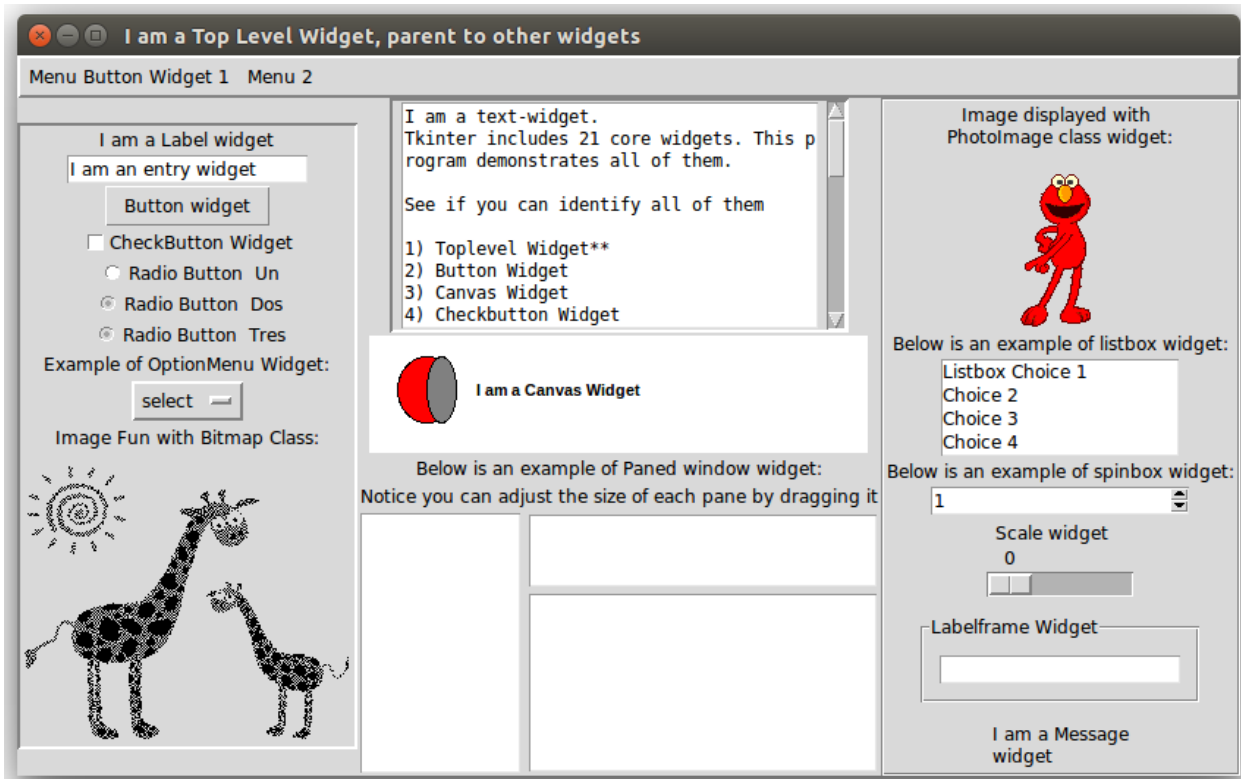
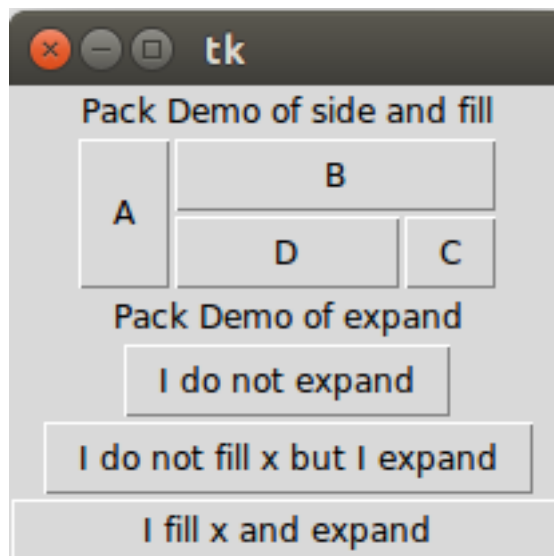
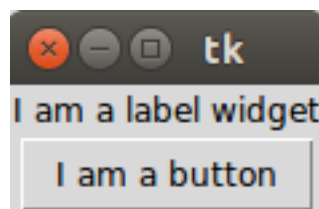
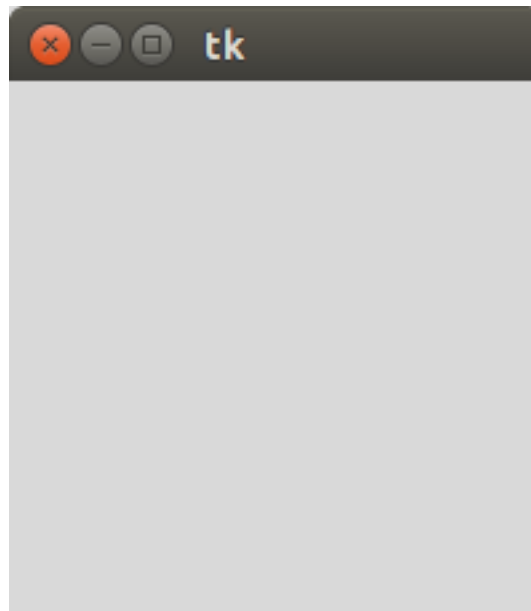


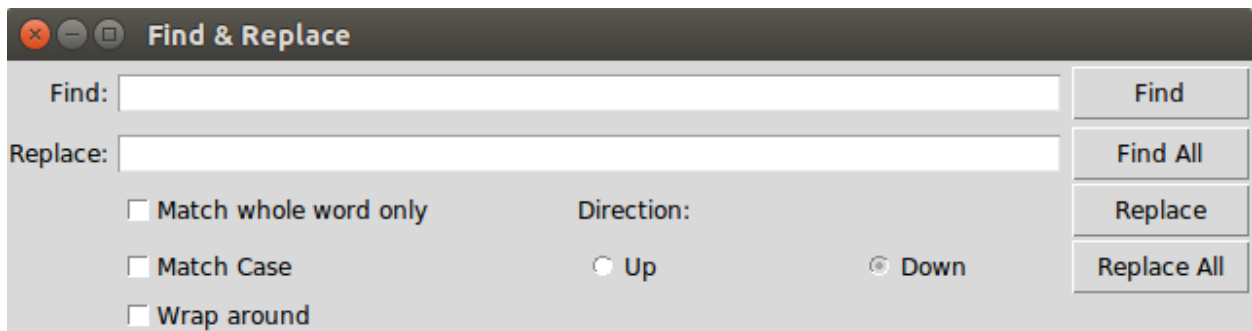
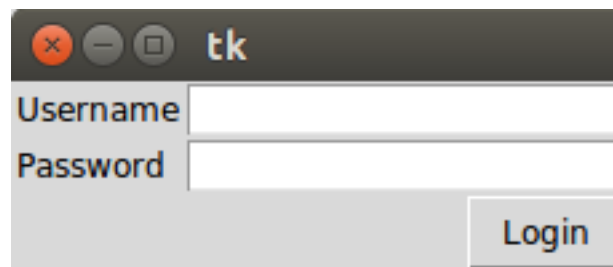
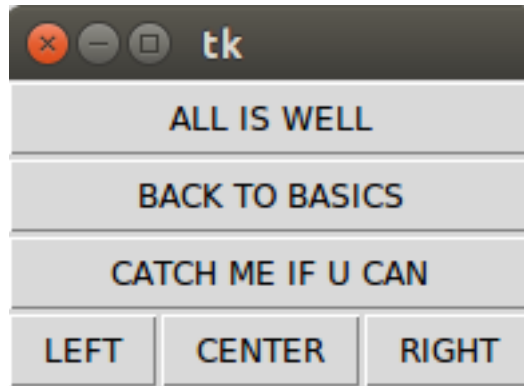
# Chapter 1: Meet Tkinter

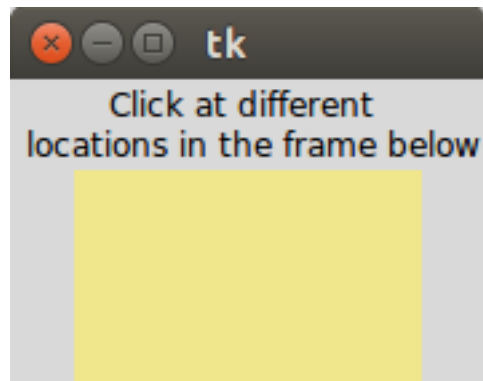
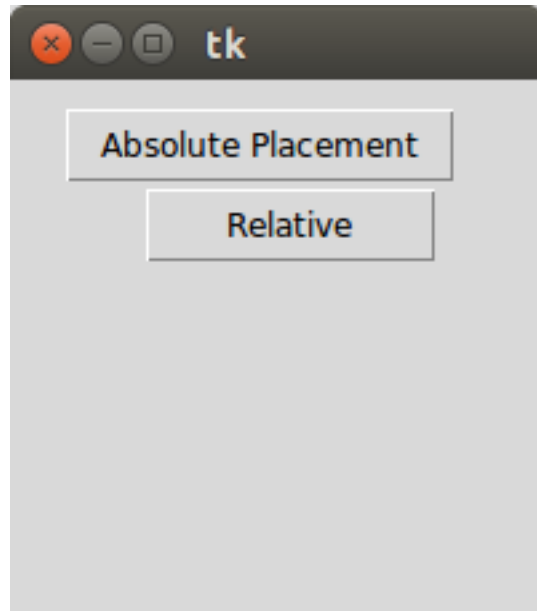


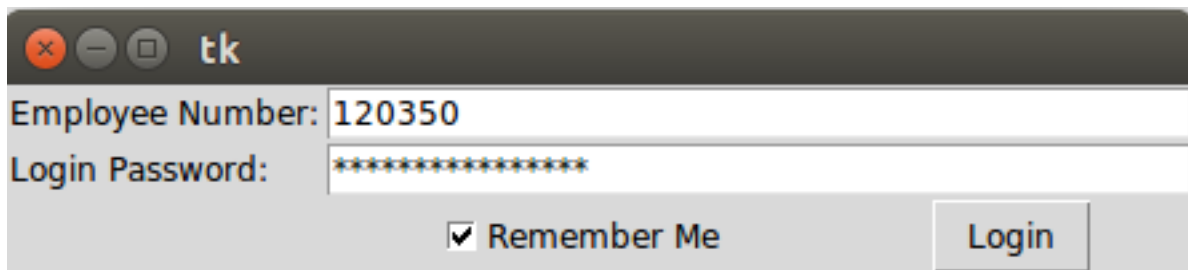
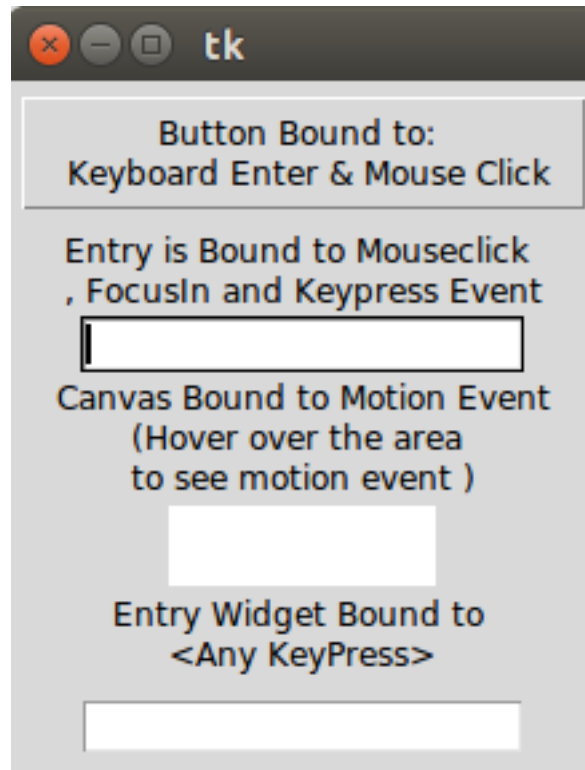
## Three Components of GUI Programming





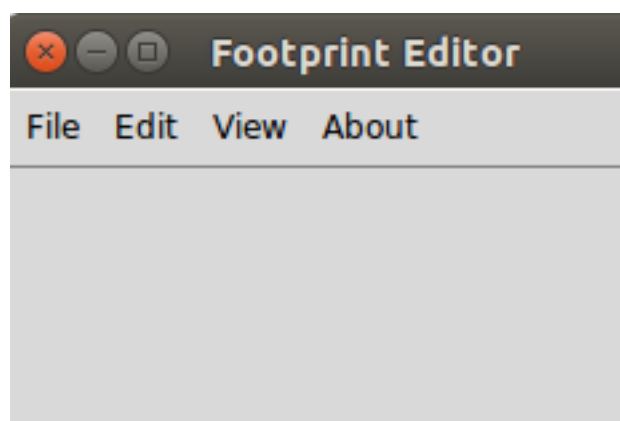
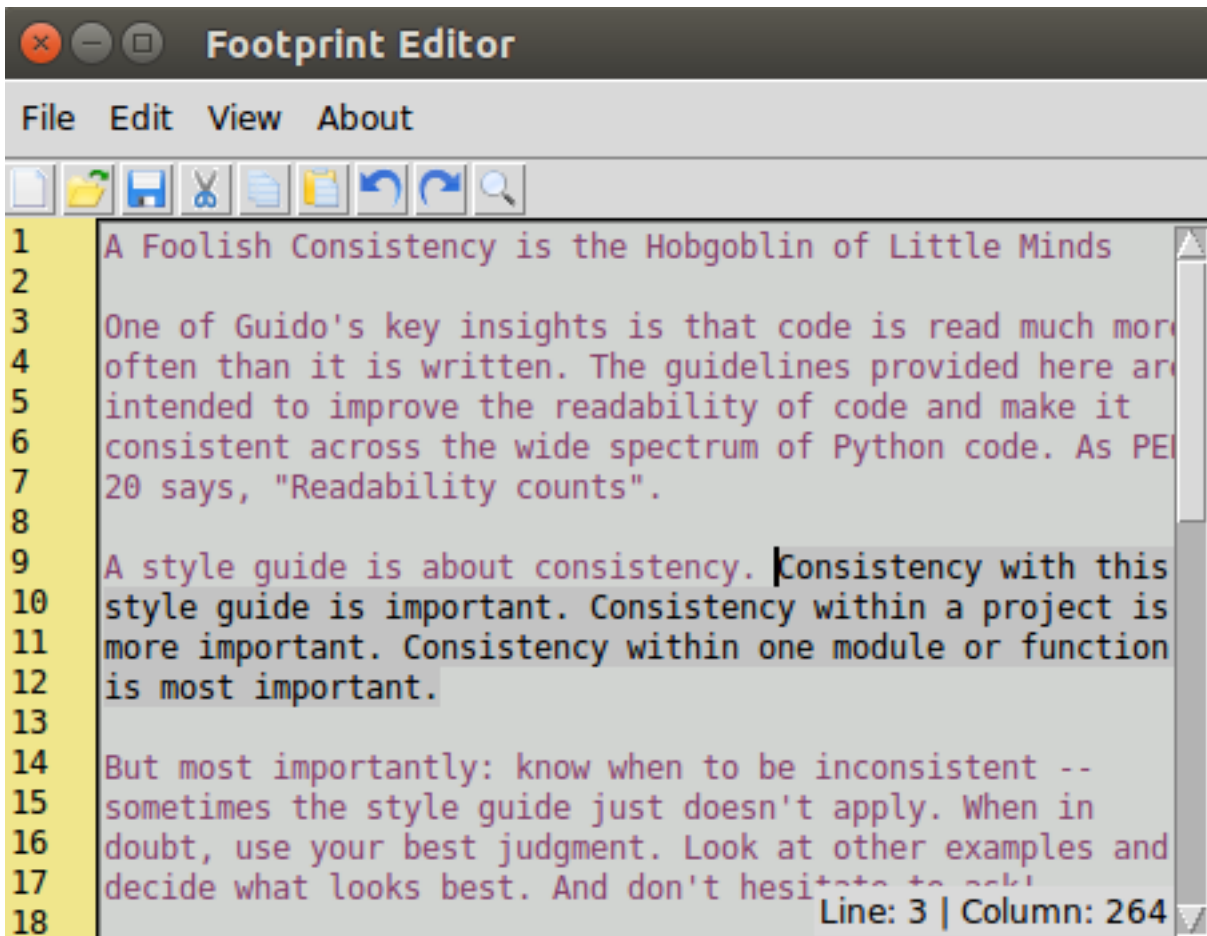


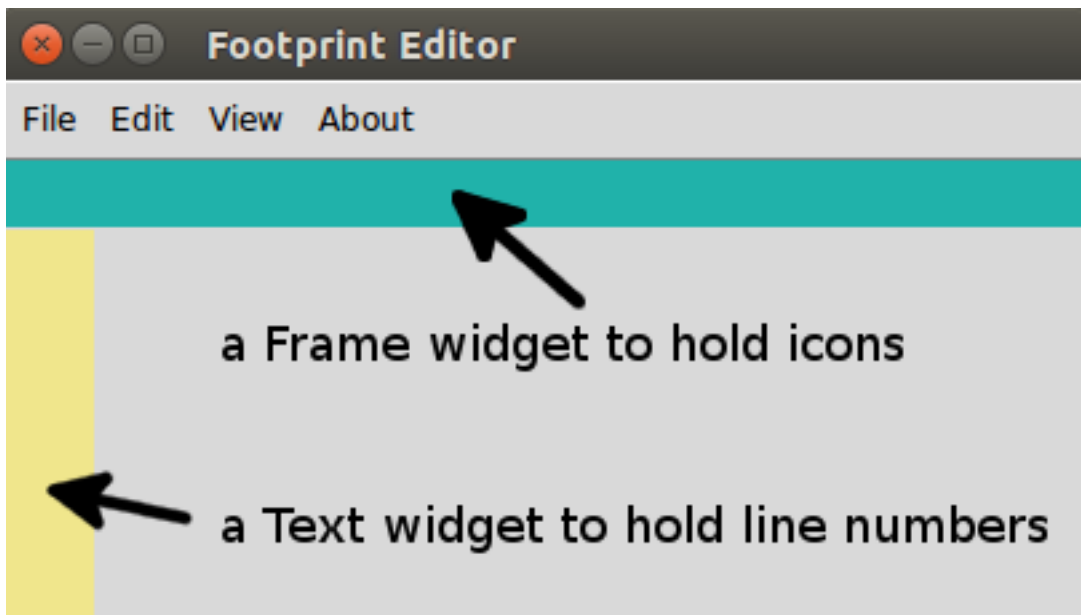
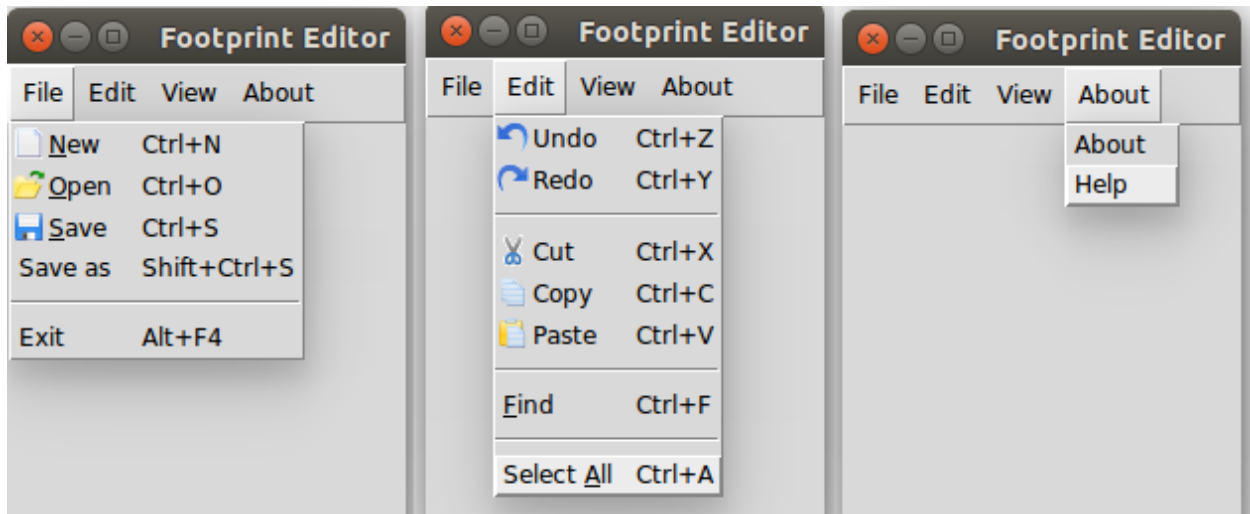




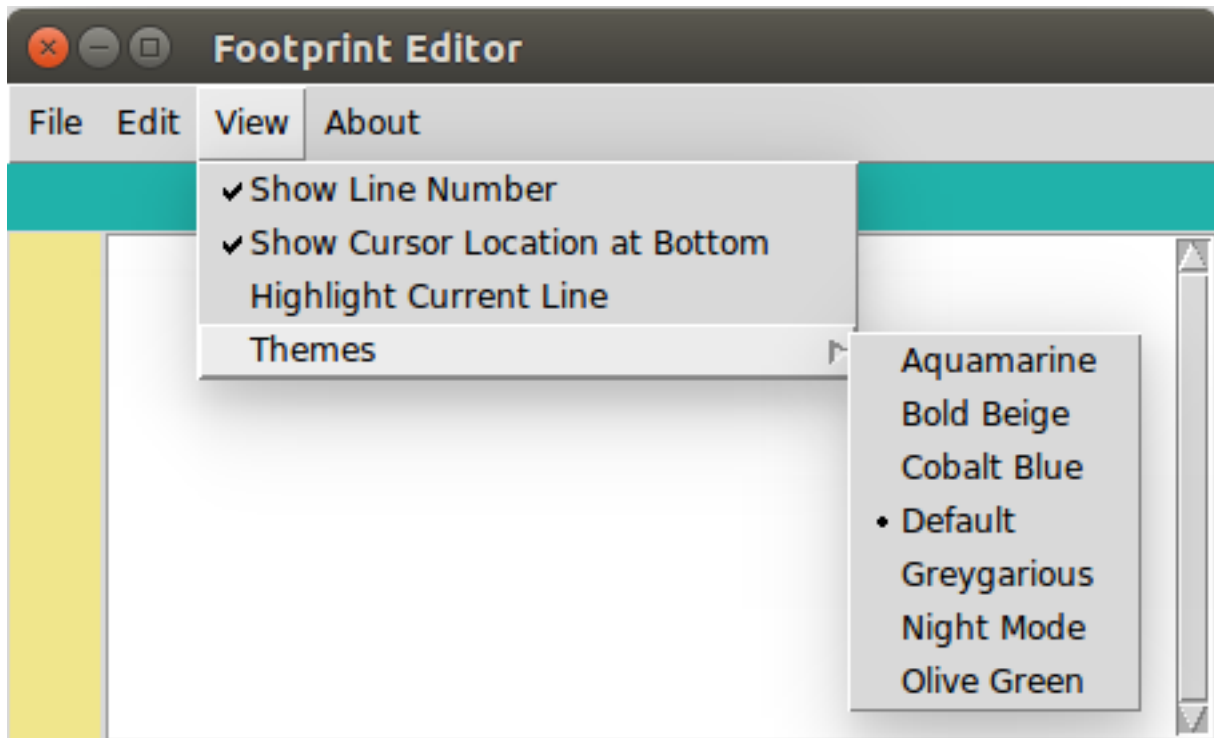


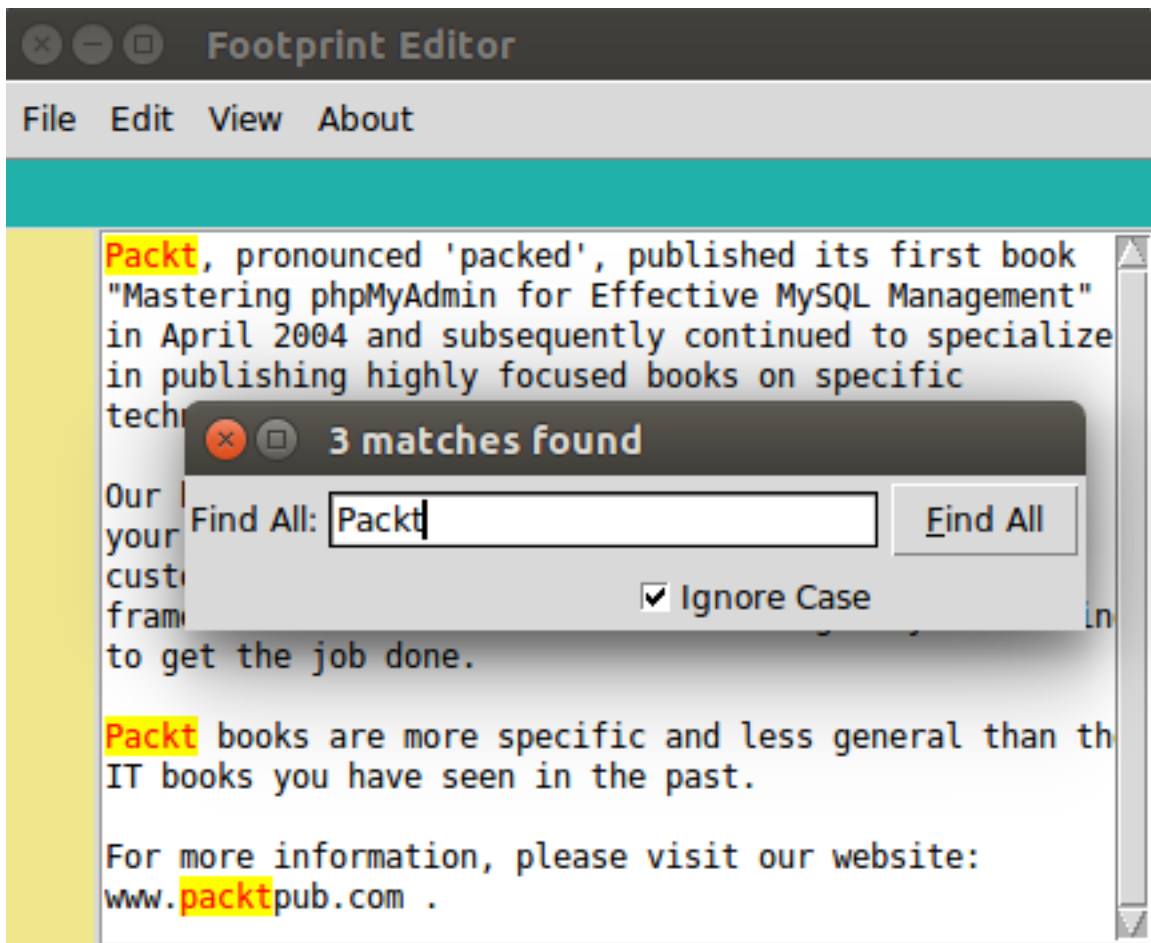
## Chapter 2: Making a Text Editor

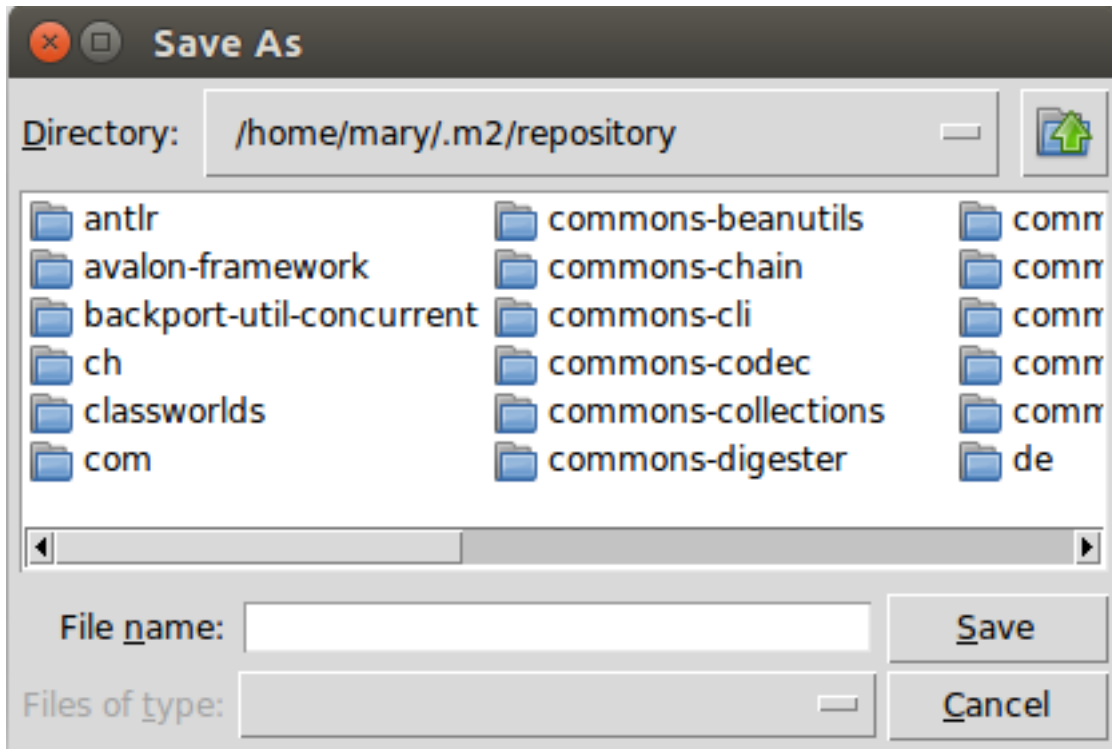


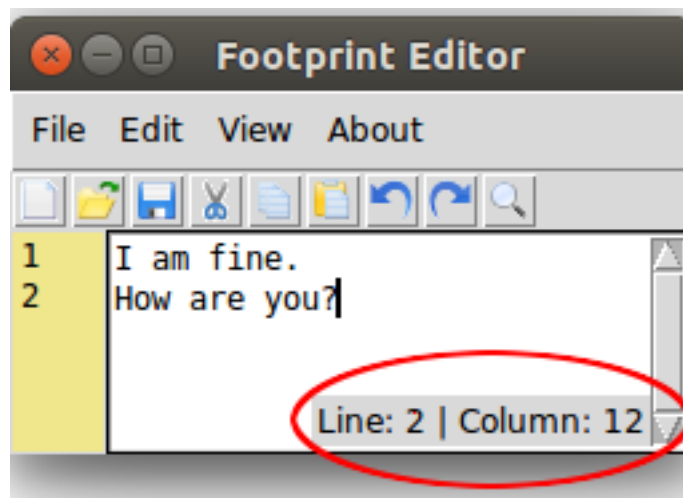
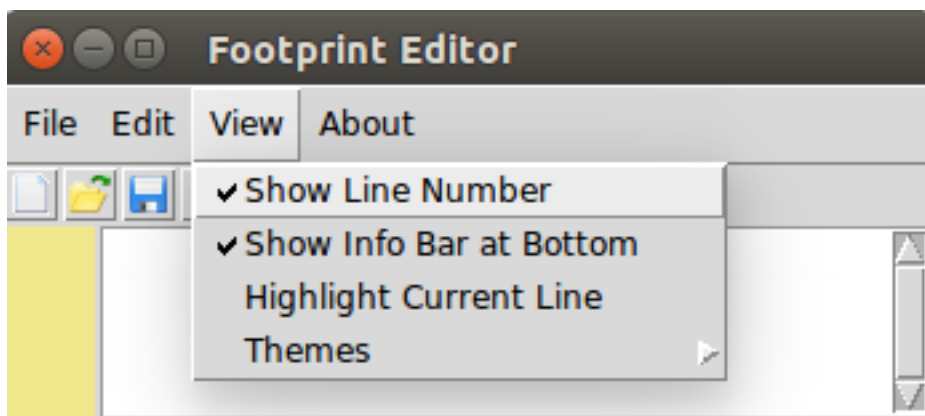
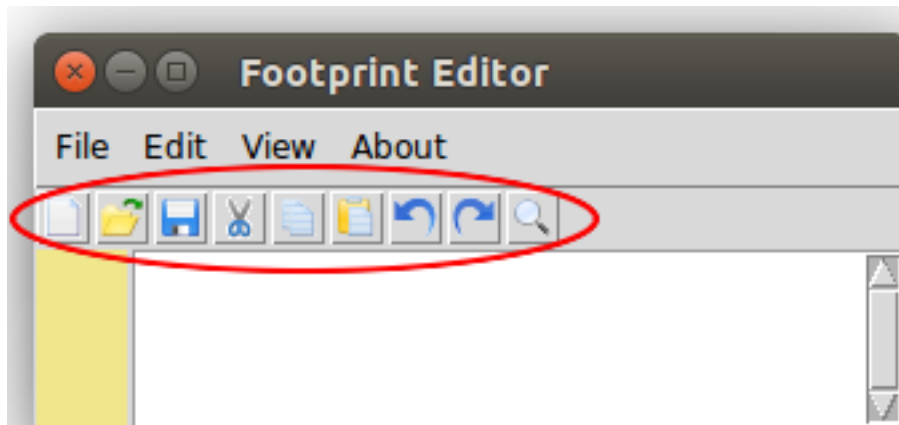


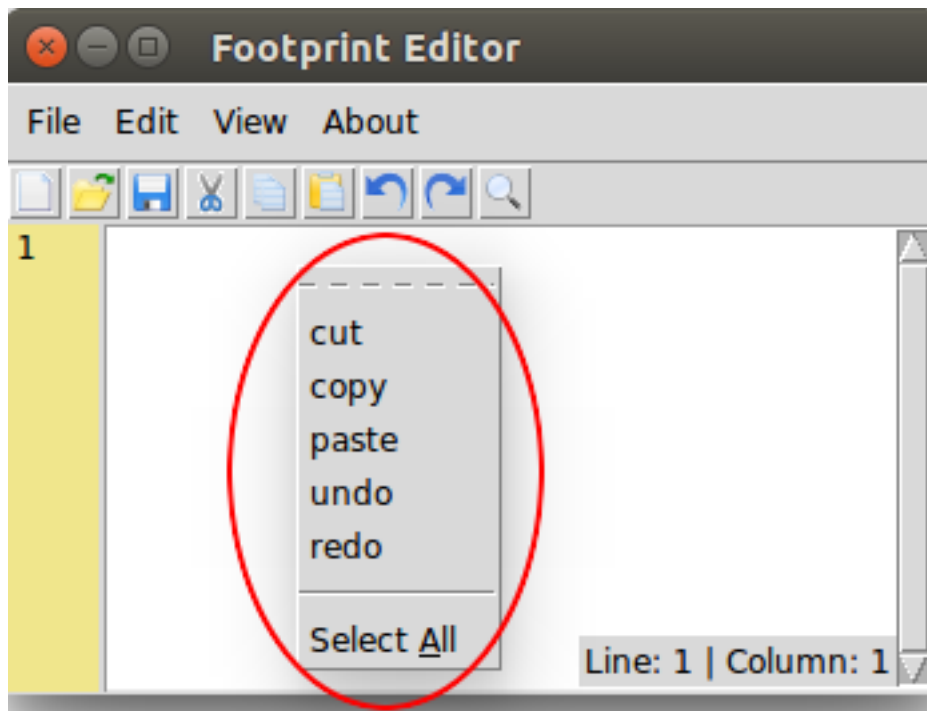




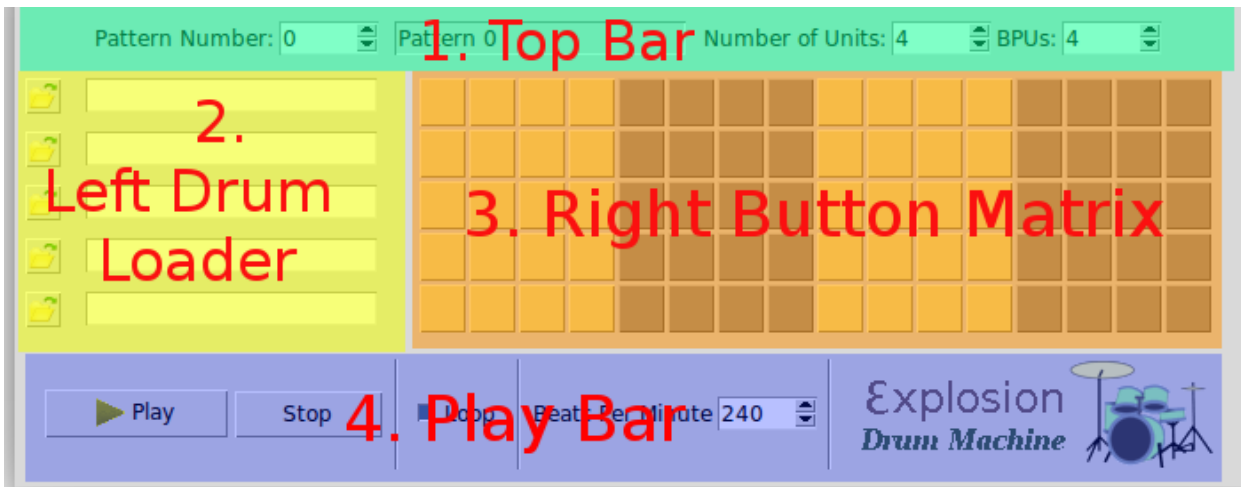
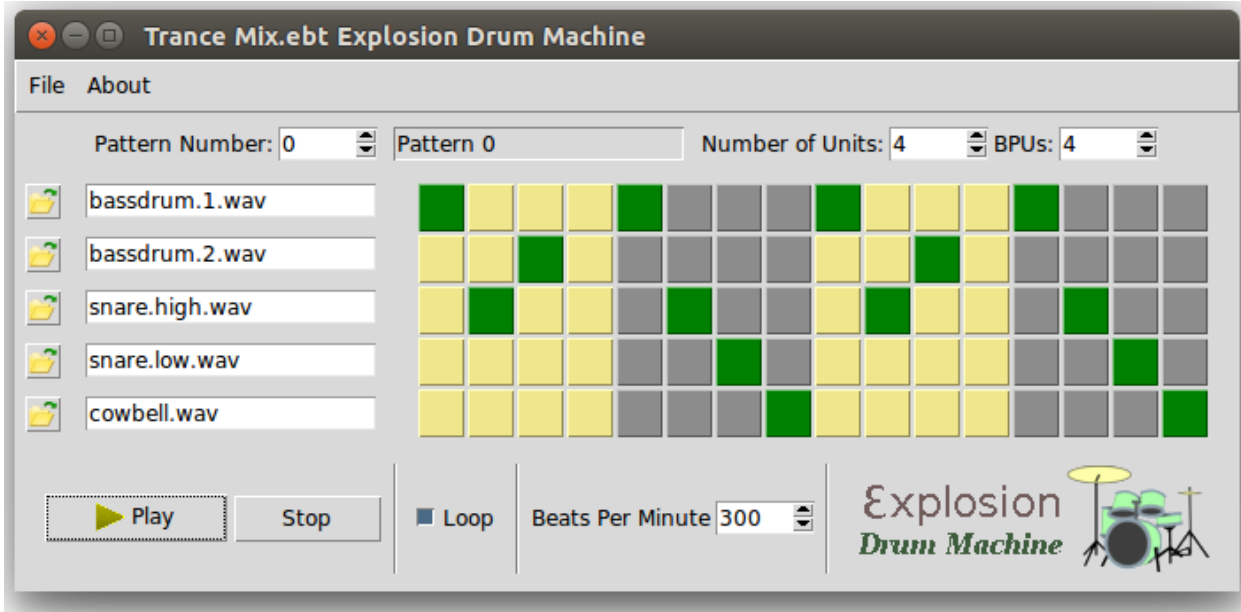




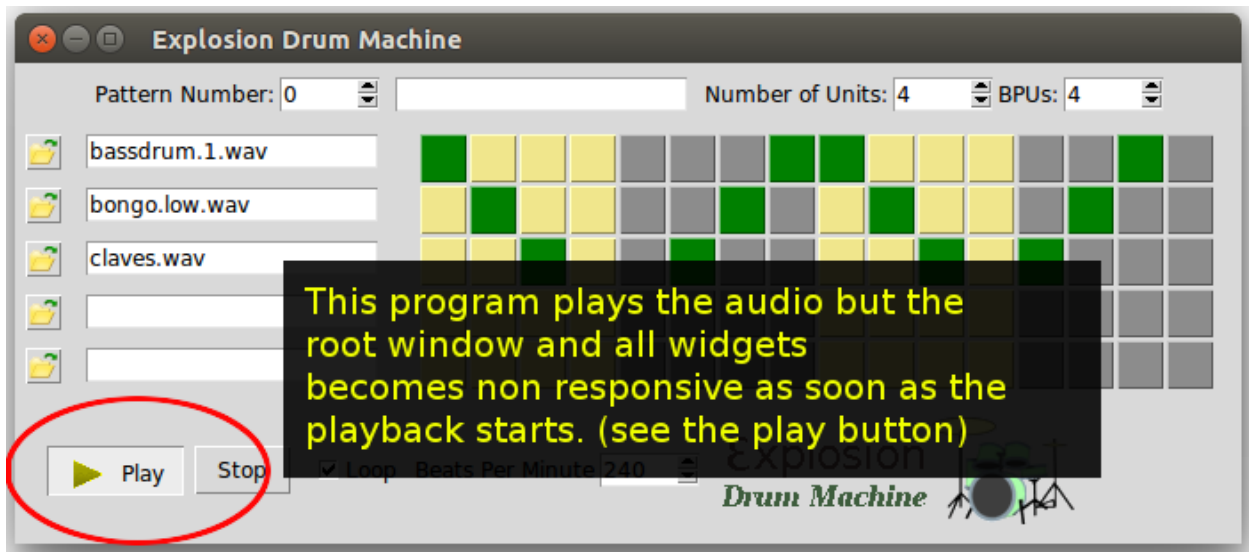
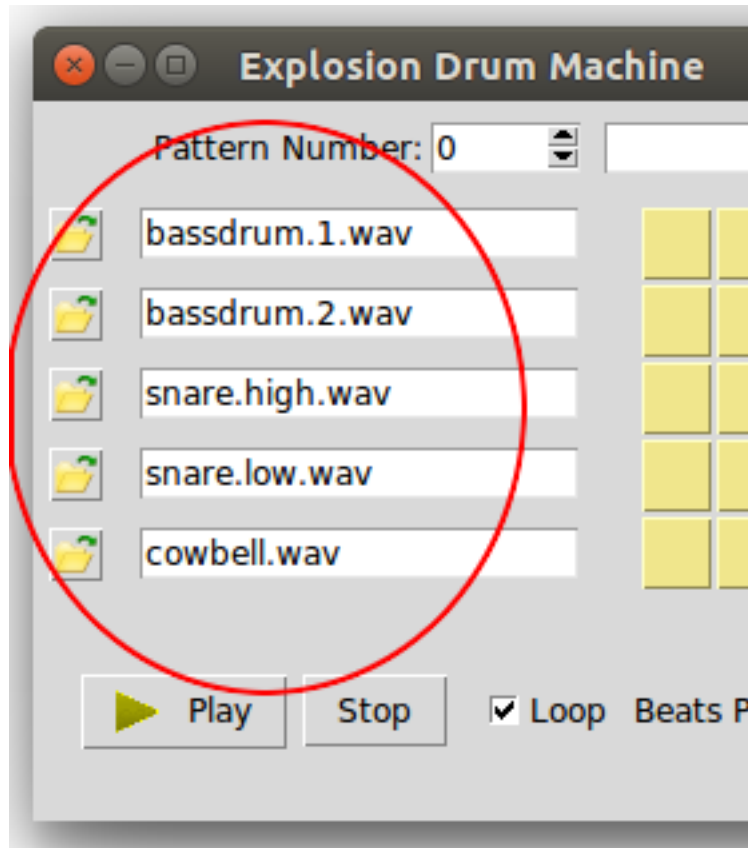




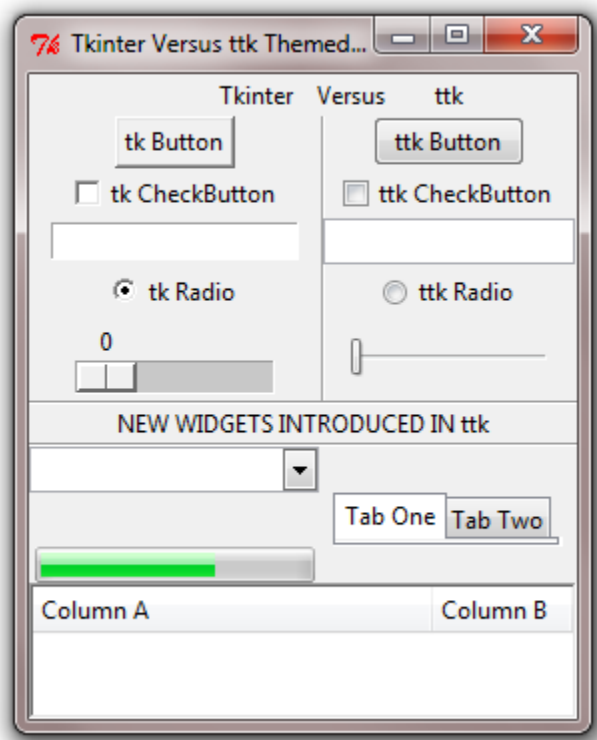
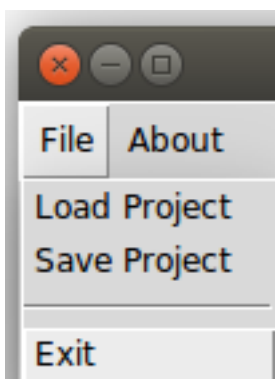
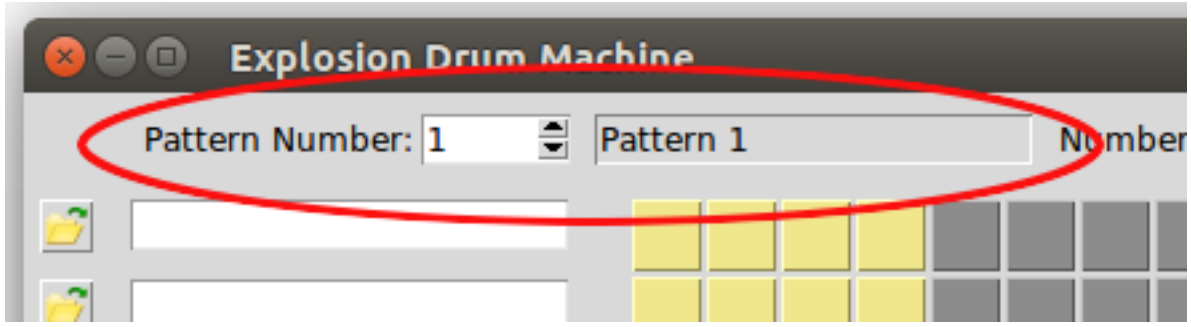
# Chapter 3: Programmable Drum Machine













 Play


Stop

Loop

Beats Per Minute 240 


Explosion  
*Drum Machine*



 Play

Stop

Loop

Beats Per Minute 240 

Explosion  
*Drum Machine*

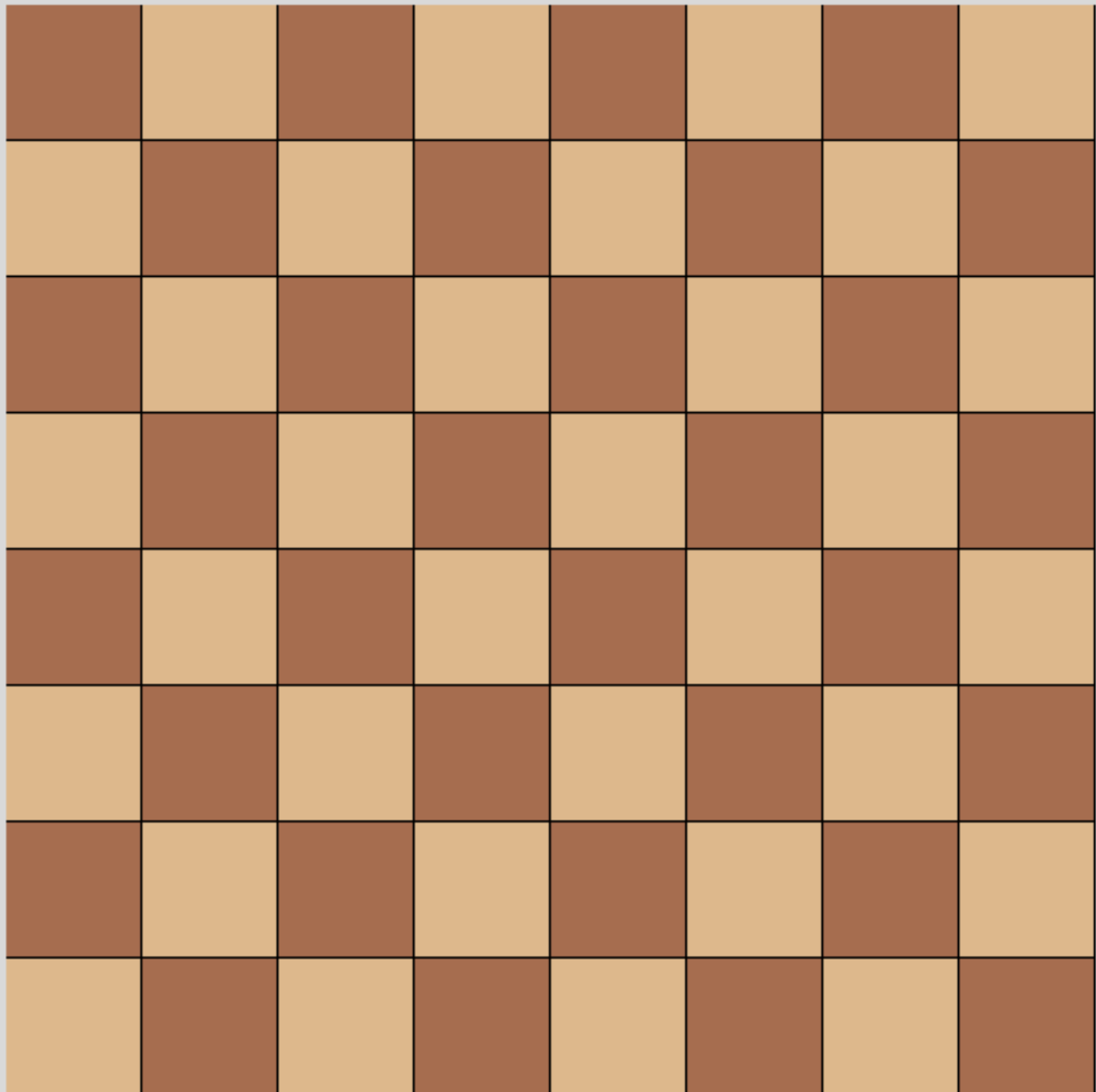


# Chapter 4: A Game of Chess



Chess

File Edit About



White to Start the Game

	8	r	n	b	q	k	b	n	r	
	7	p	p	p	p	p	p	p	p	
	6									
	5									
	4									
	3									
	2	P	P	P	P	P	P	P	P	
	1	R	N	B	Q	K	B	N	R	
		A1	A	B	C	D	E	F	G	H
			x-axis →							

y-axis ↑

x-axis →

A8

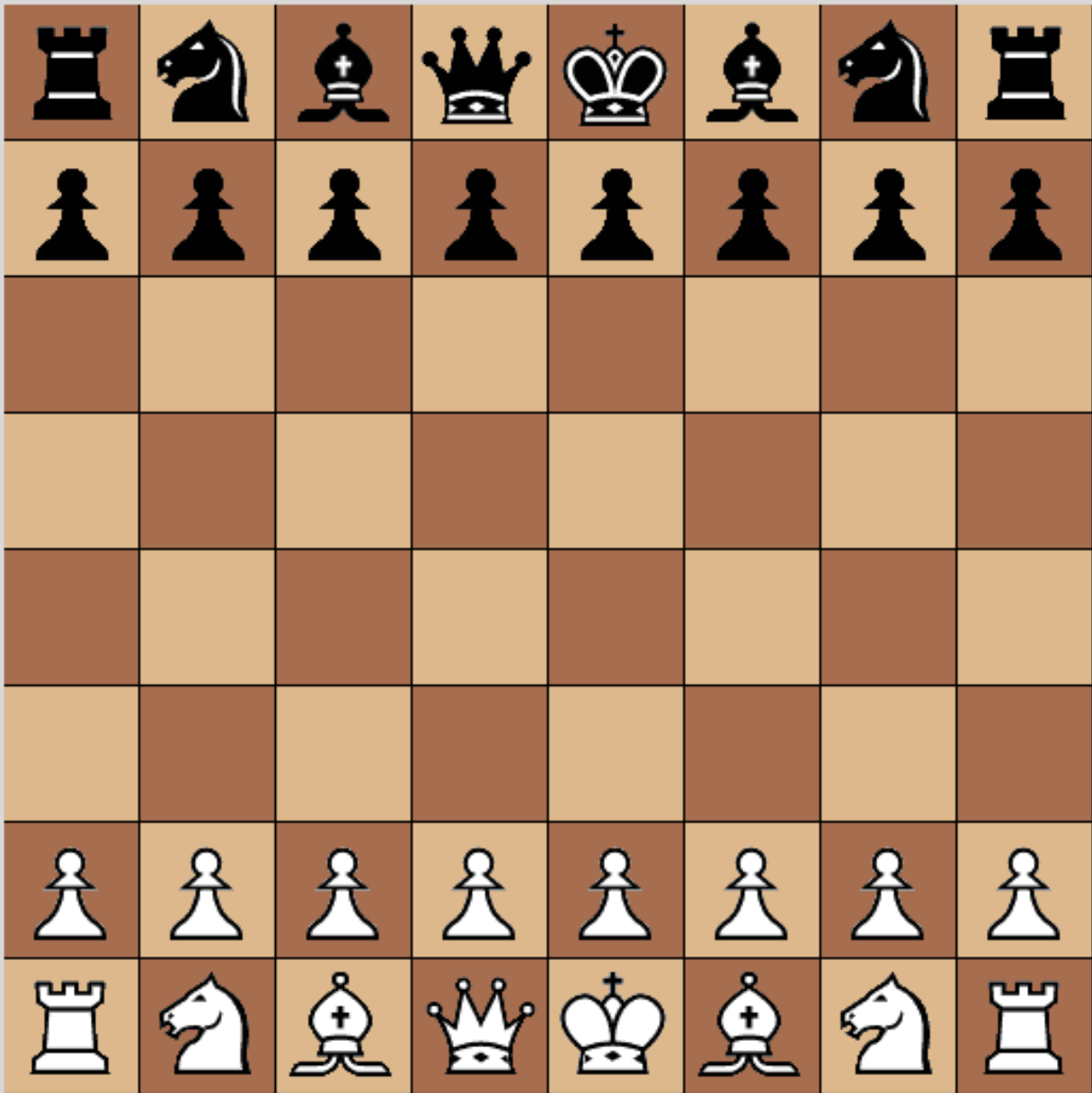
C3

E8

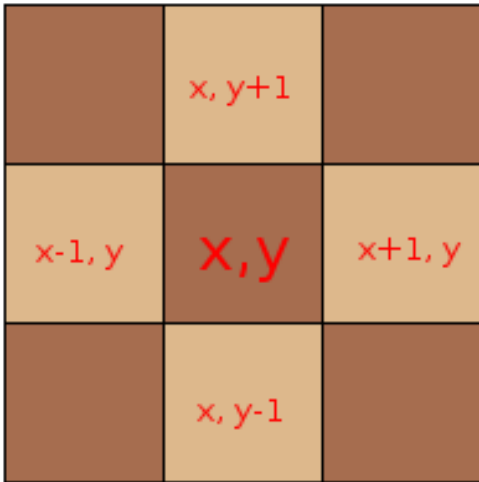
A1

Chess

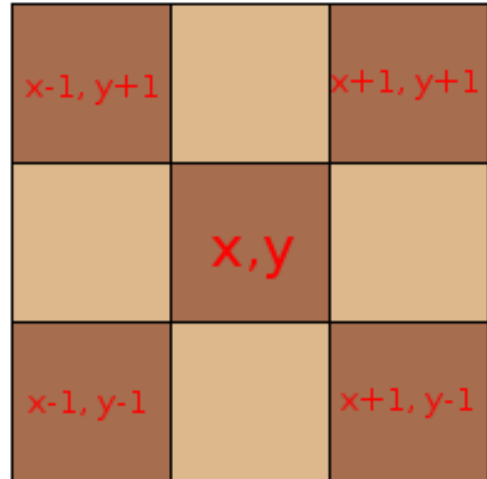
File Edit About



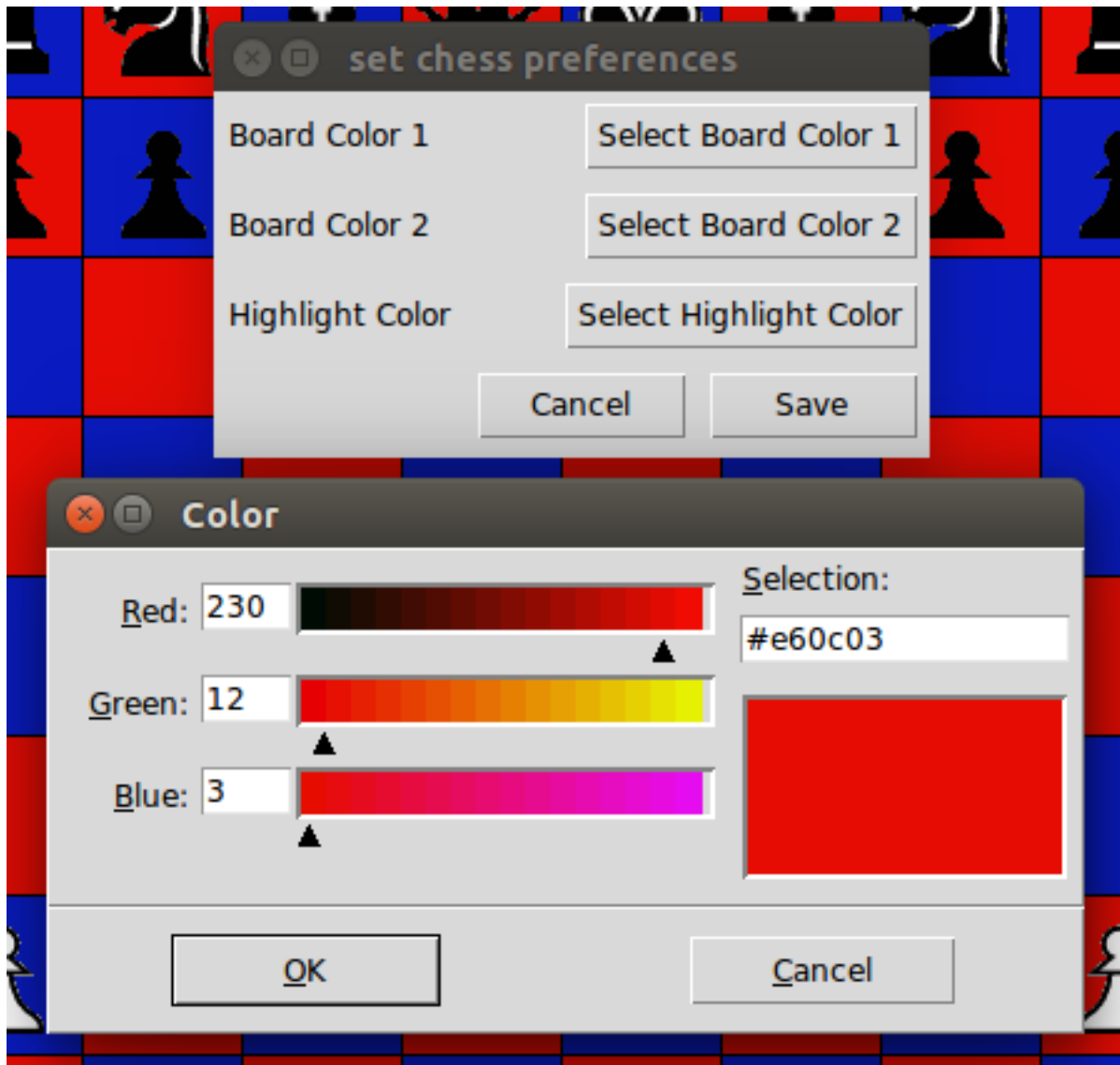
White to Start the Game



**Orthogonal Movements**



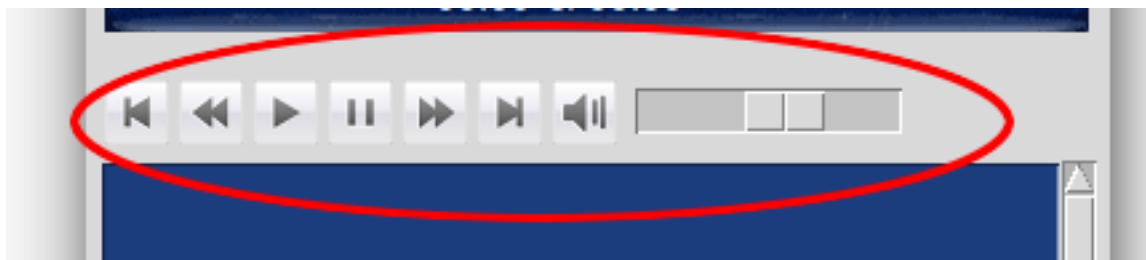
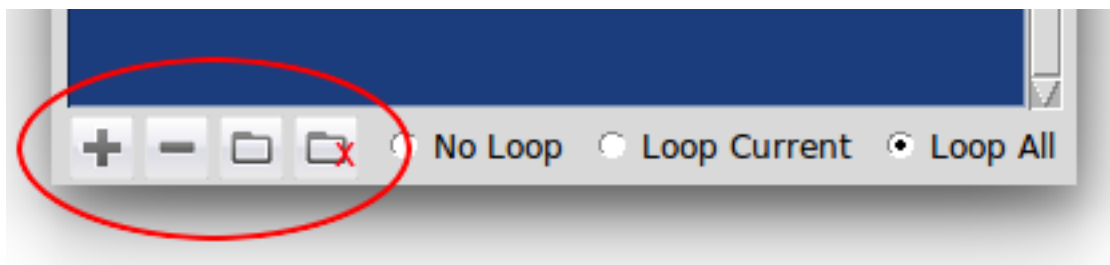
**Diagonal Movements**

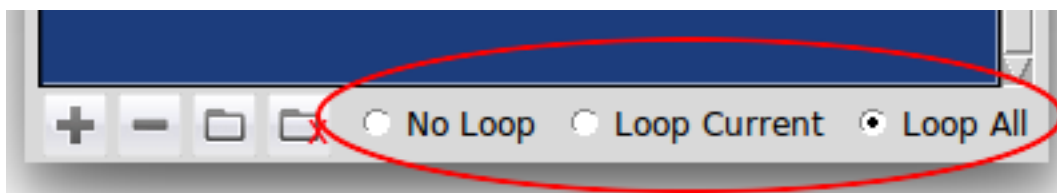
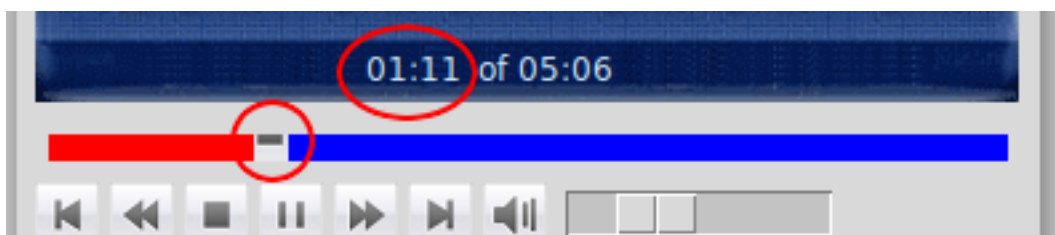
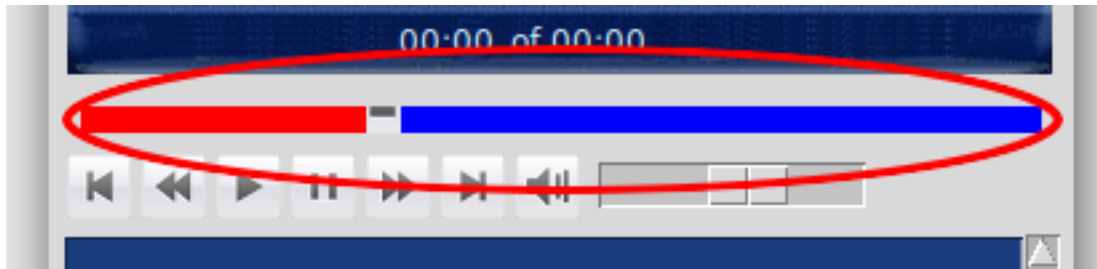


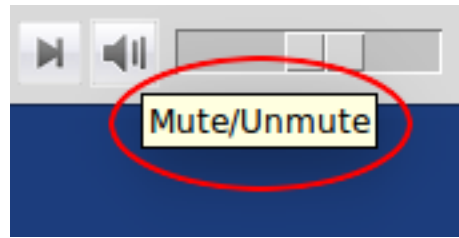


## Chapter 5: Building an Audio Player

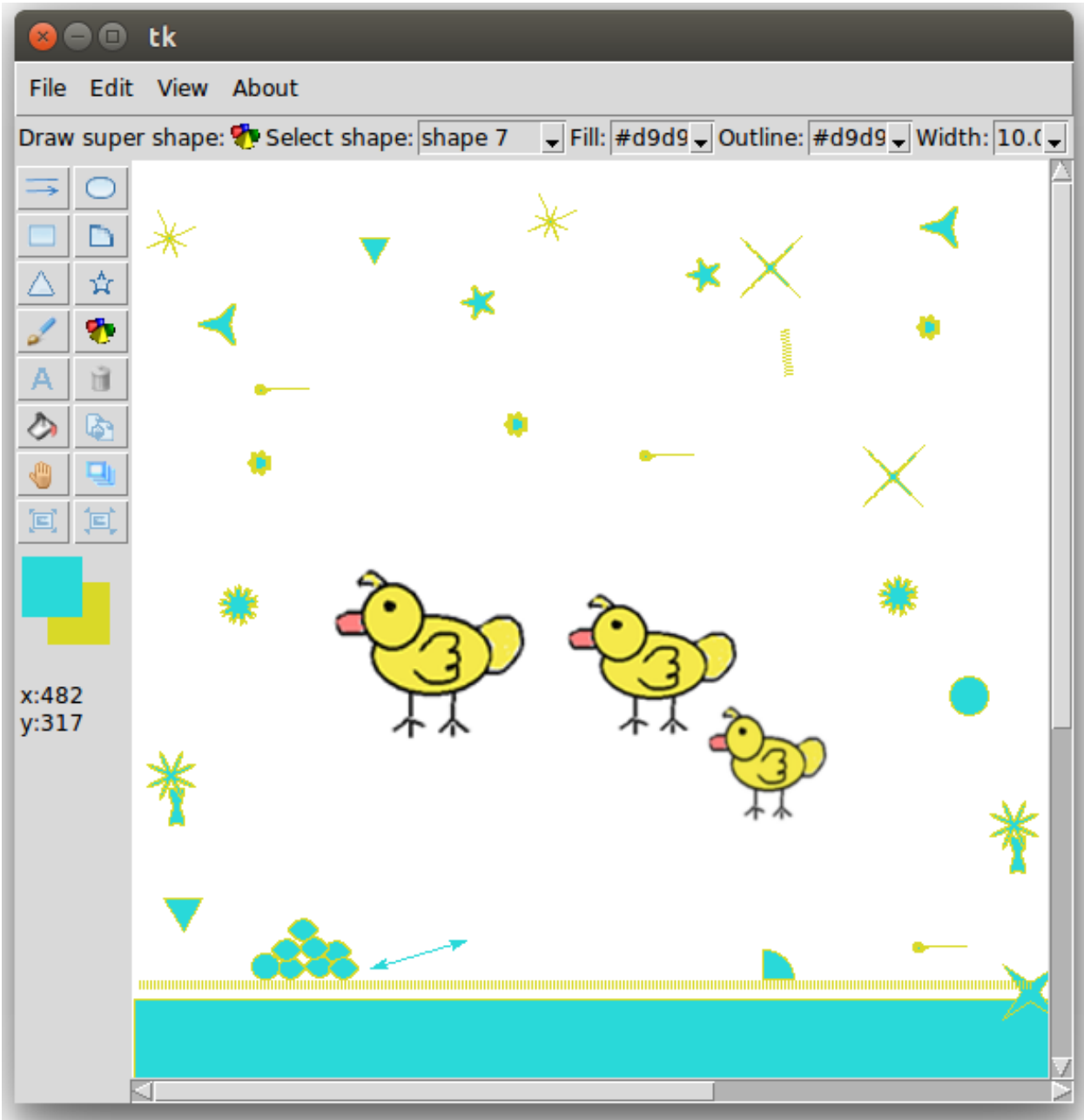


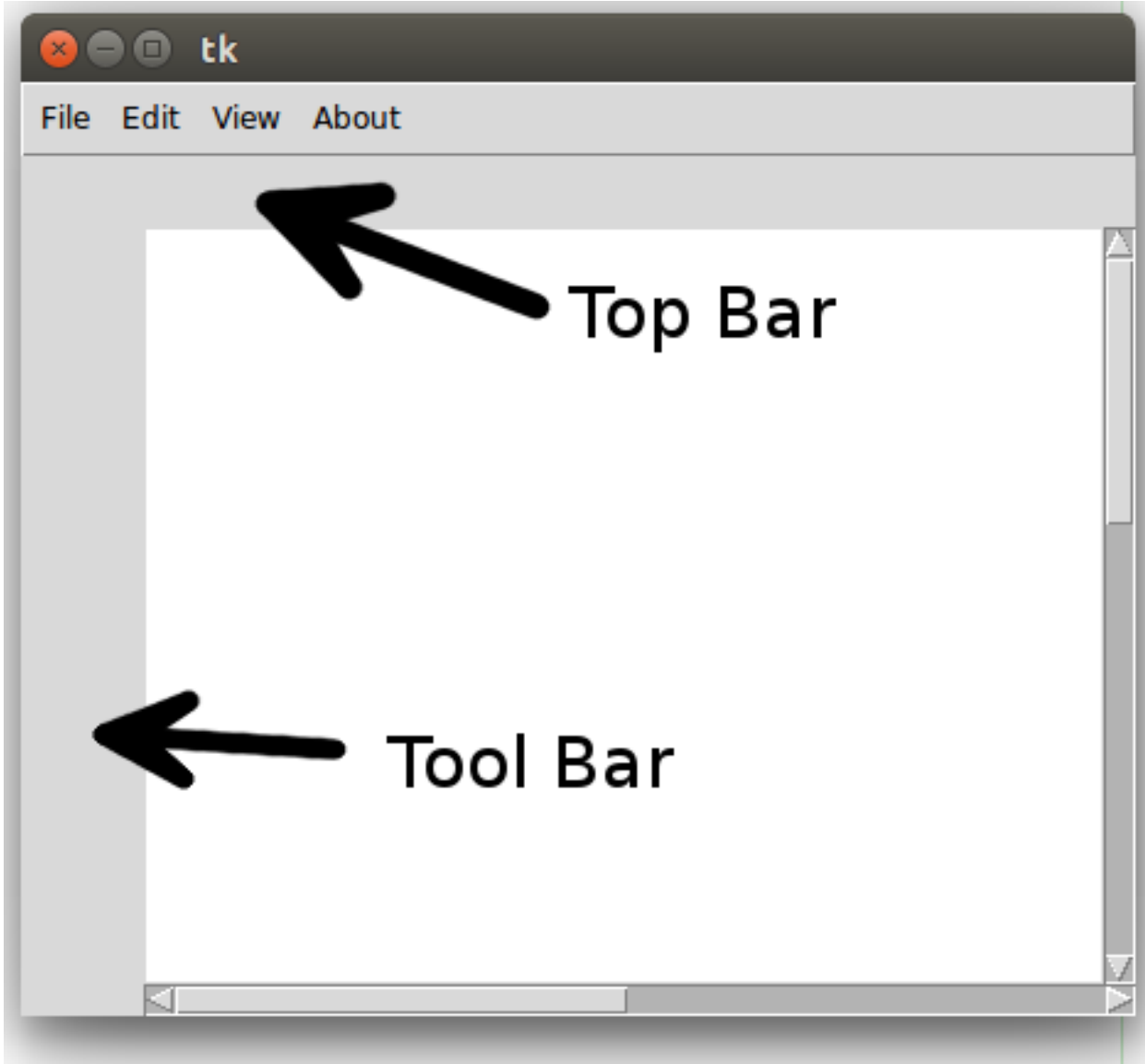
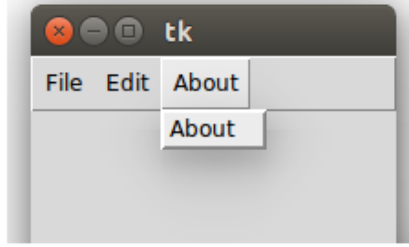
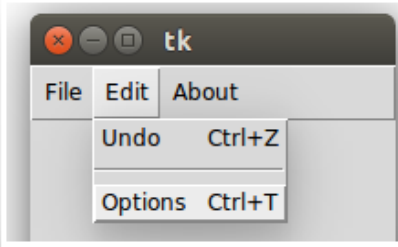
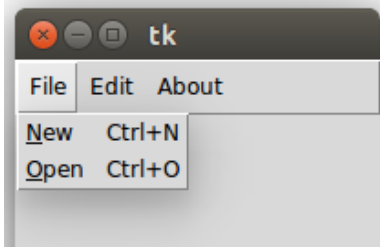


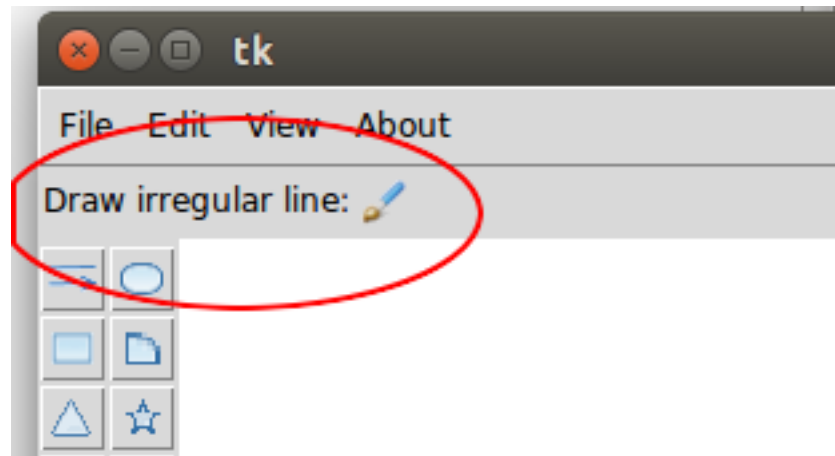
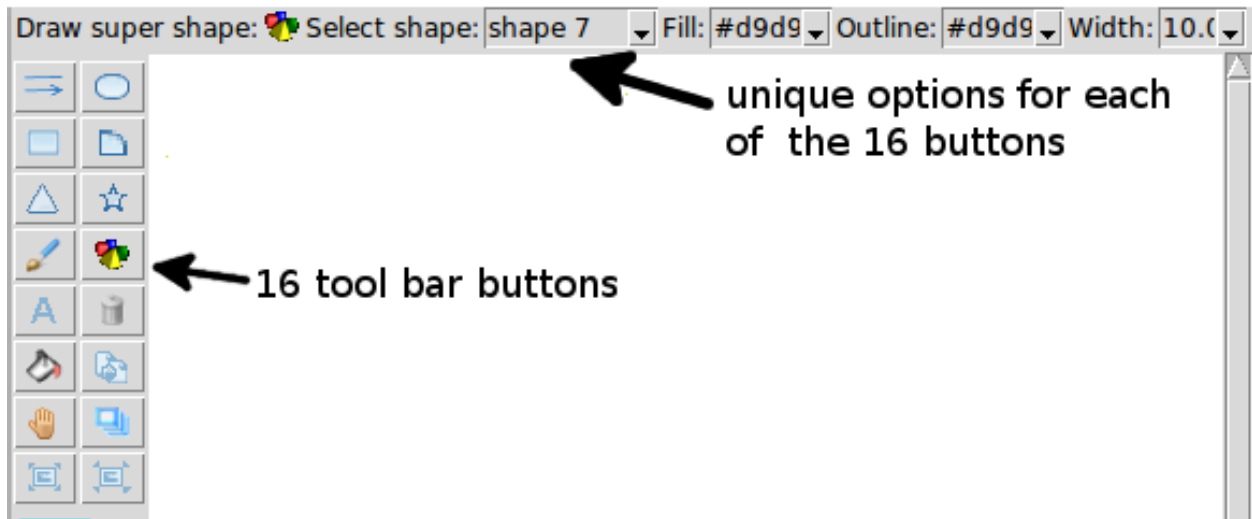


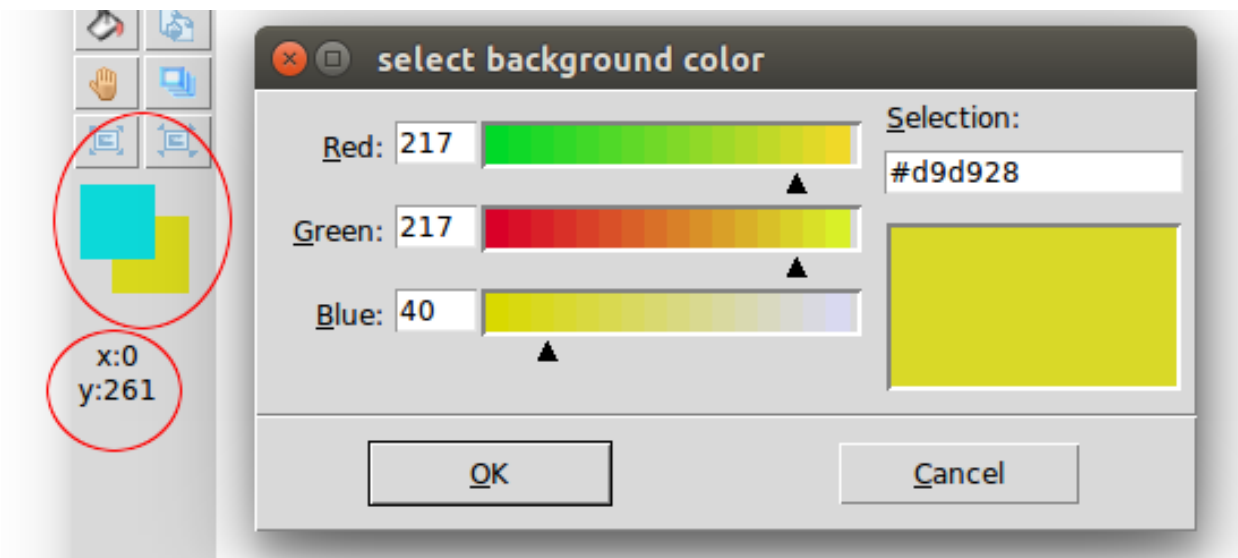
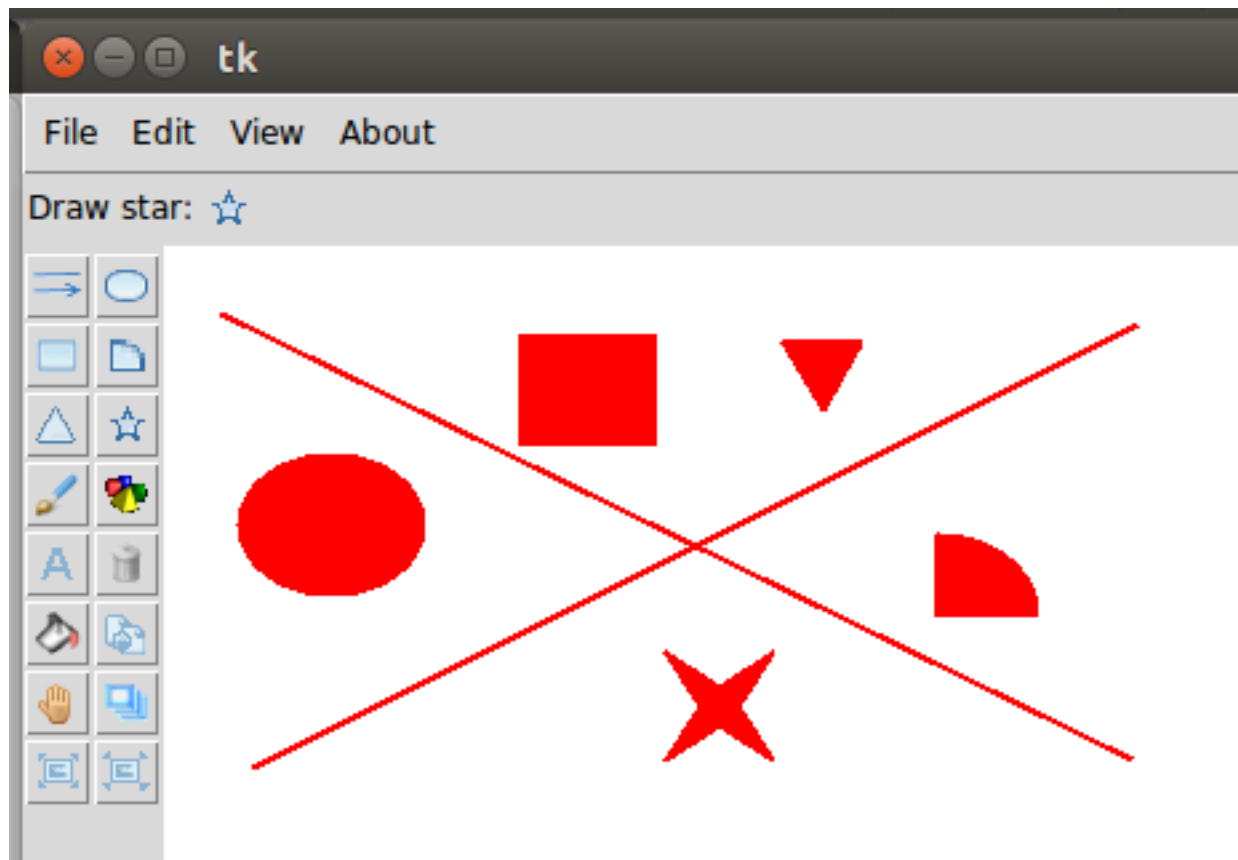


# Chapter 6: Paint Application

















Draw line:  Fill:  Width:  Arrow:  Dash:

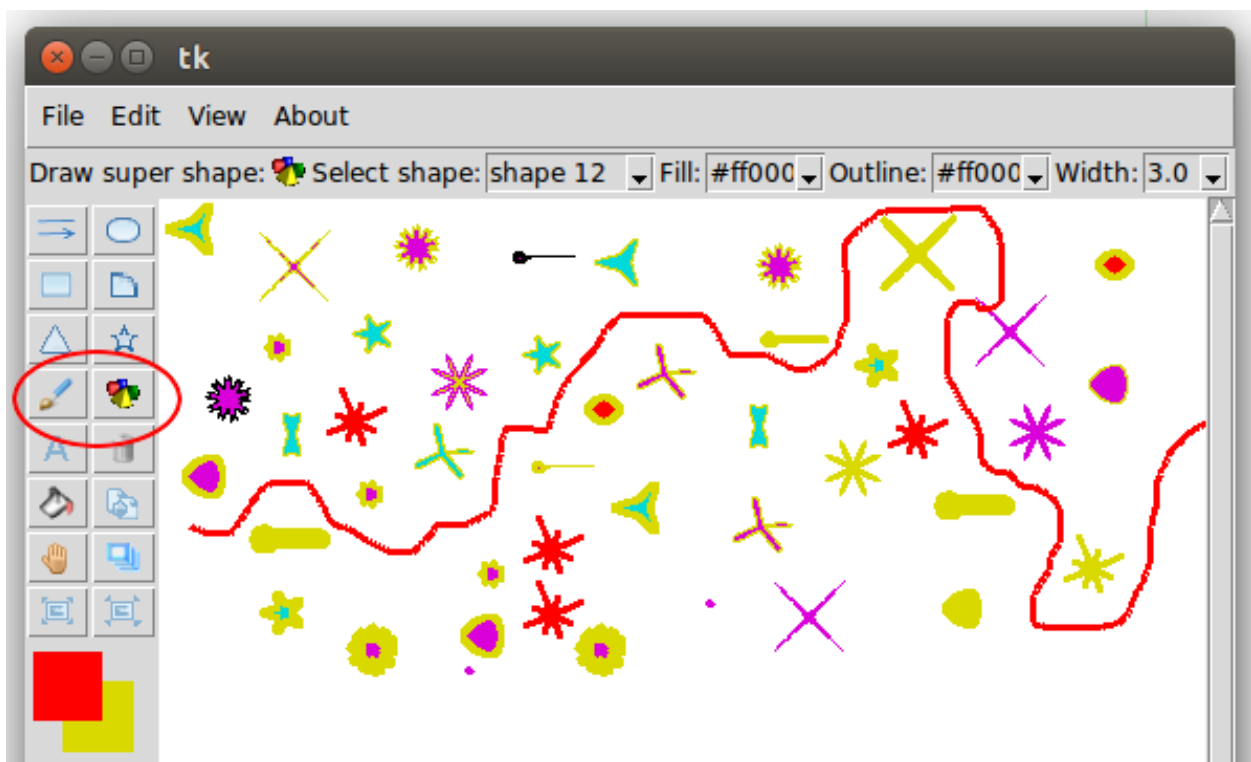
Draw oval:  Fill:  Outline:  Width:

Draw rectangle:  Fill:  Outline:  Width:

Draw arc:  Fill:  Outline:  Width:

Draw triangle:  Fill:  Outline:  Width:

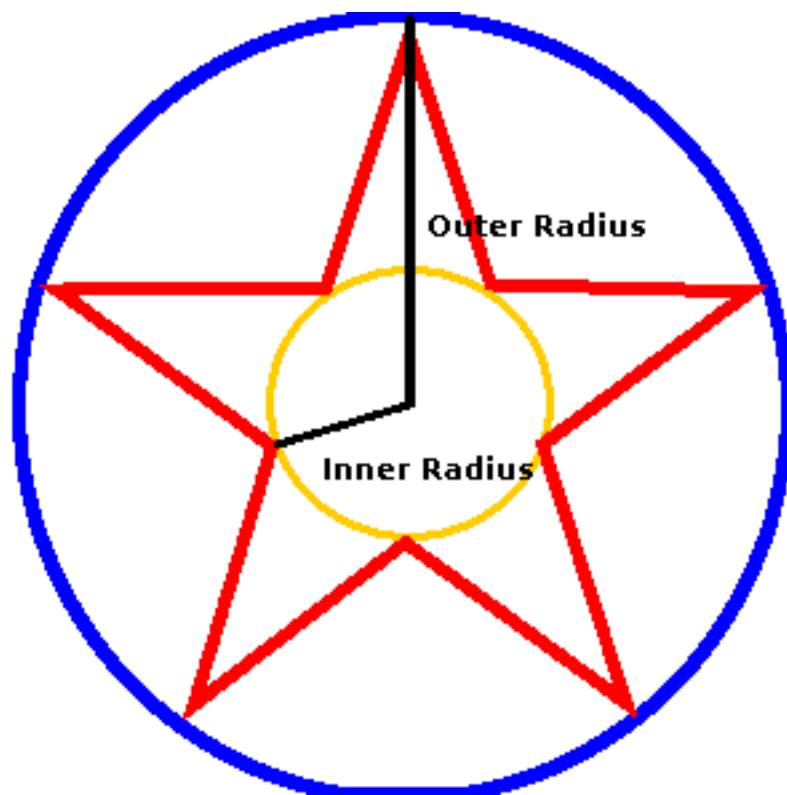
Draw star:  Fill:  Outline:  Width:



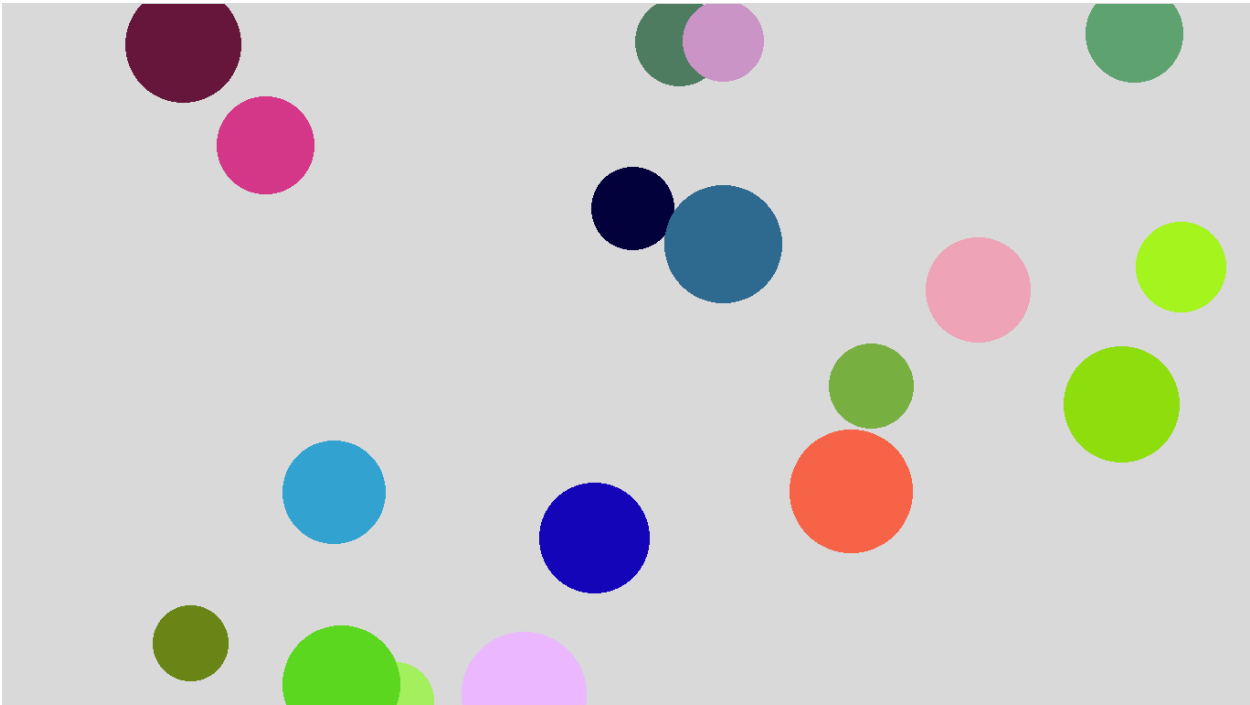


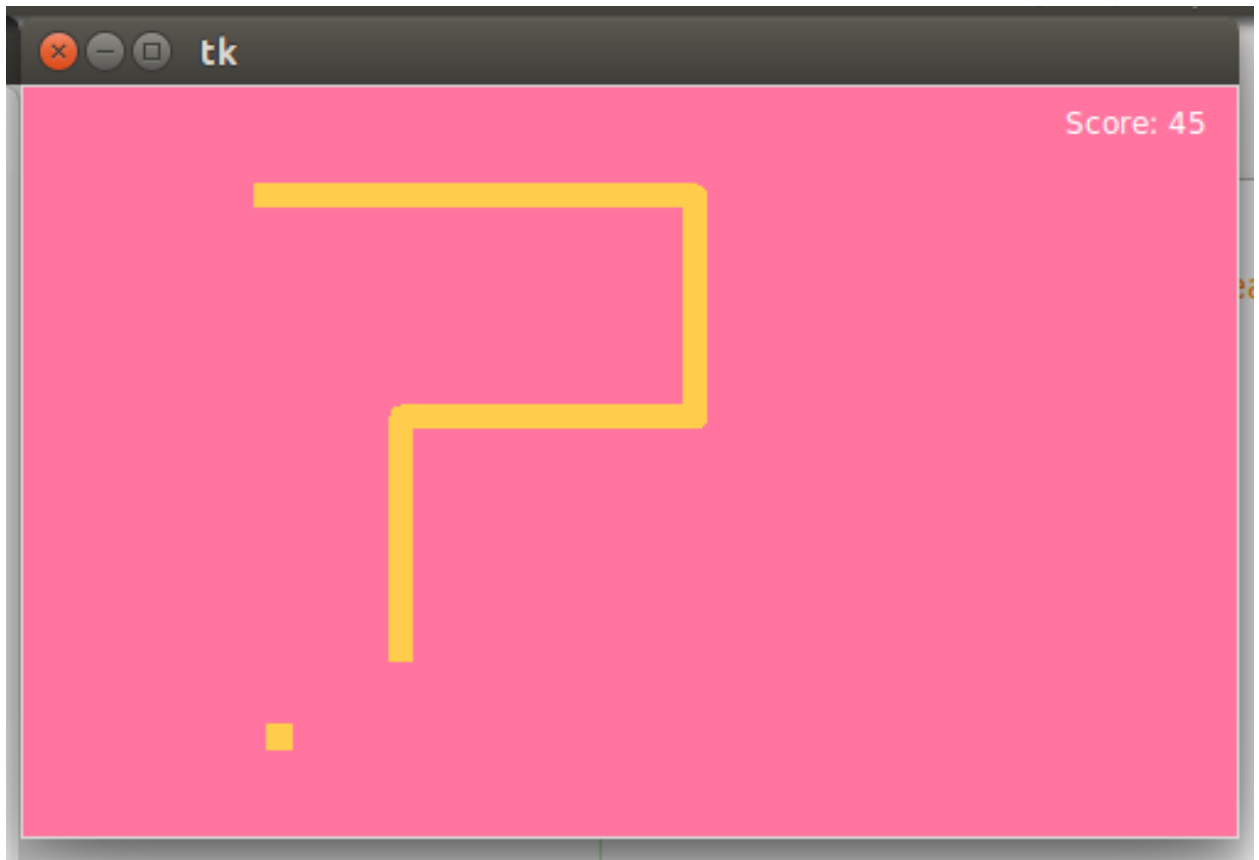
Draw text: A Text:  Font size: 14 Fill: red Go





# Chapter 7: Multiple Fun Projects





tk

Enter Location

Go

GANGTOK  
Country : IN

Latitude :27.330  
Longitude: 88.620

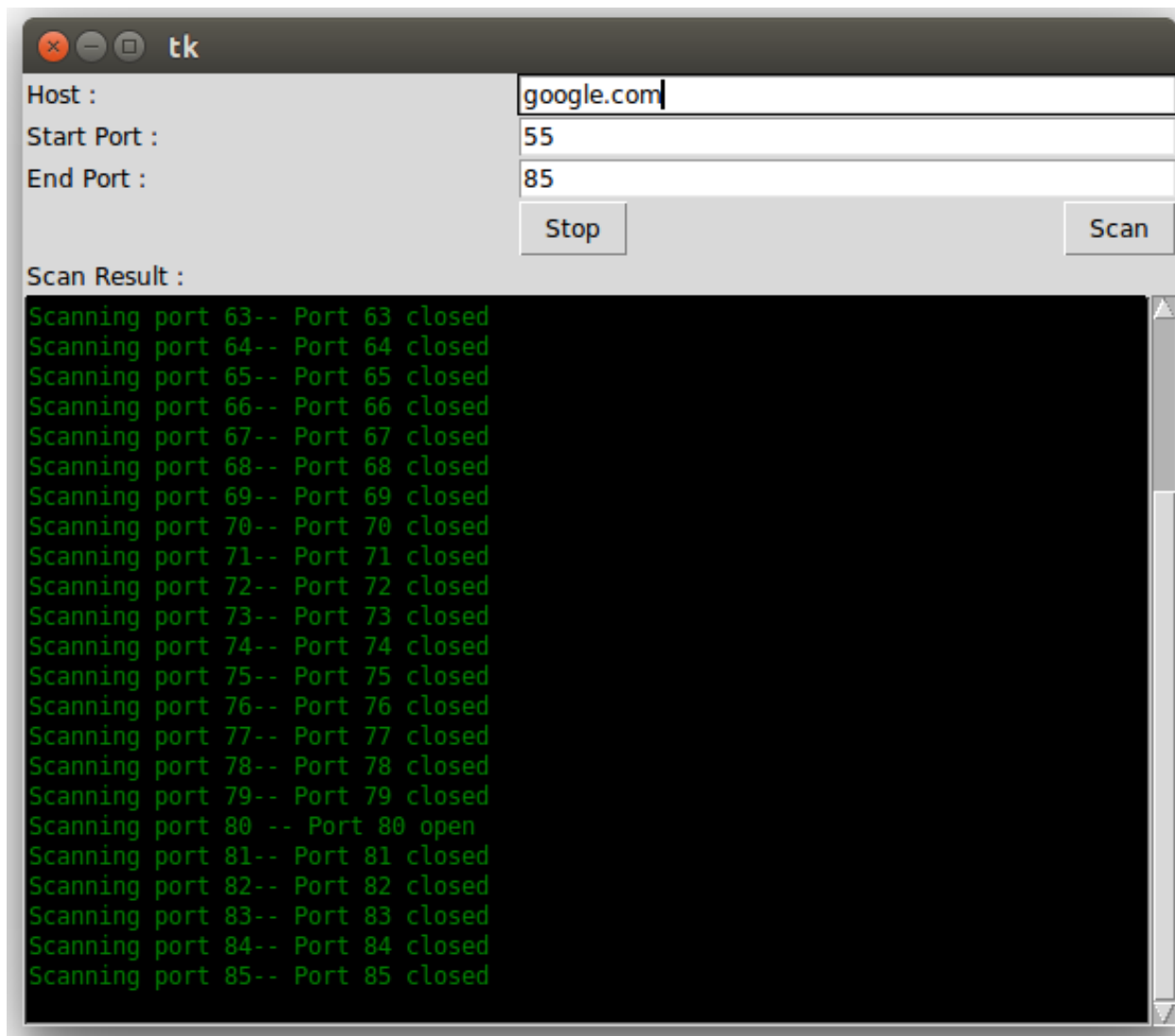
2015-09-13 10:32:33

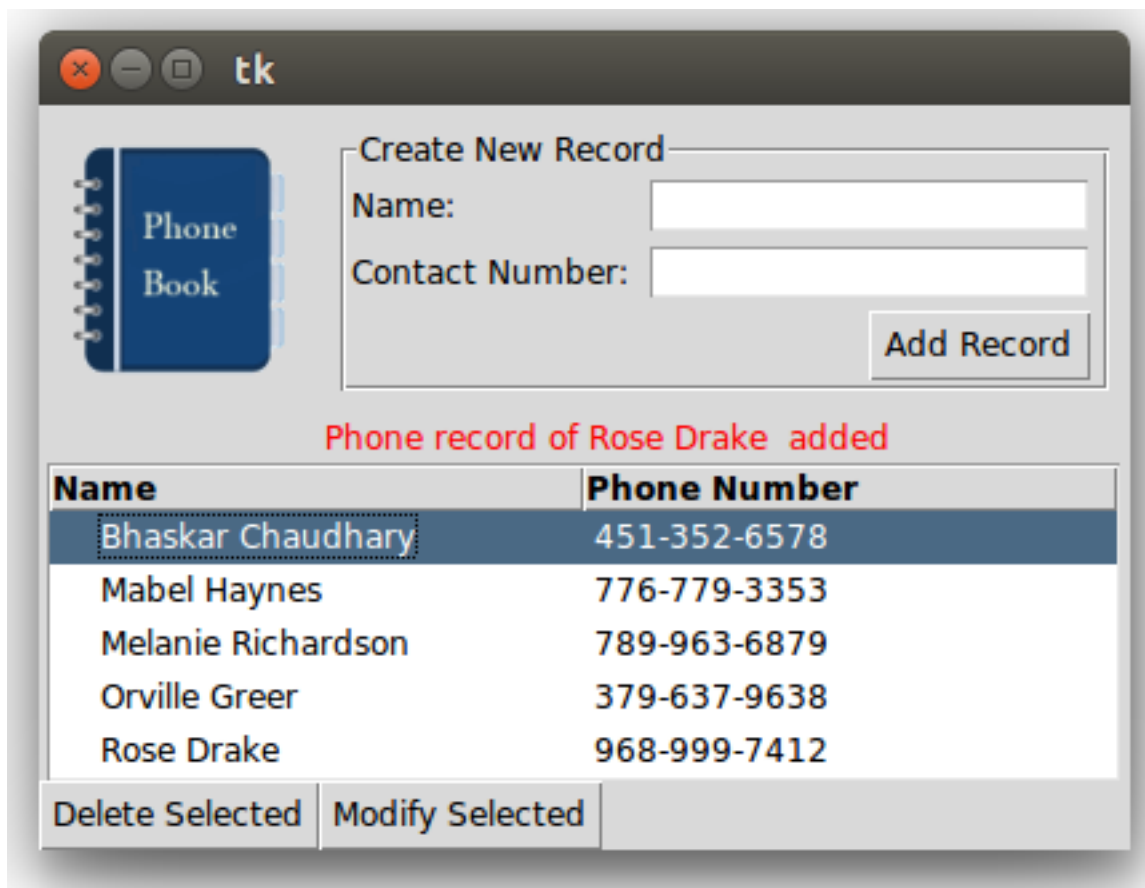
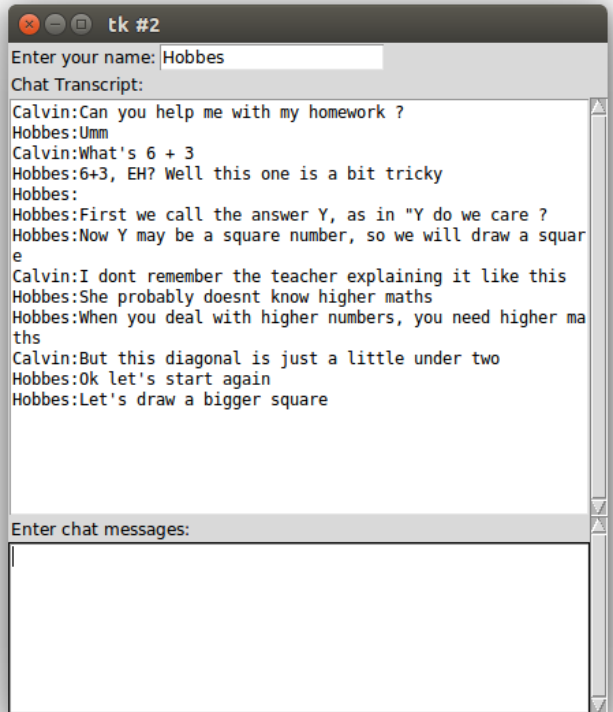
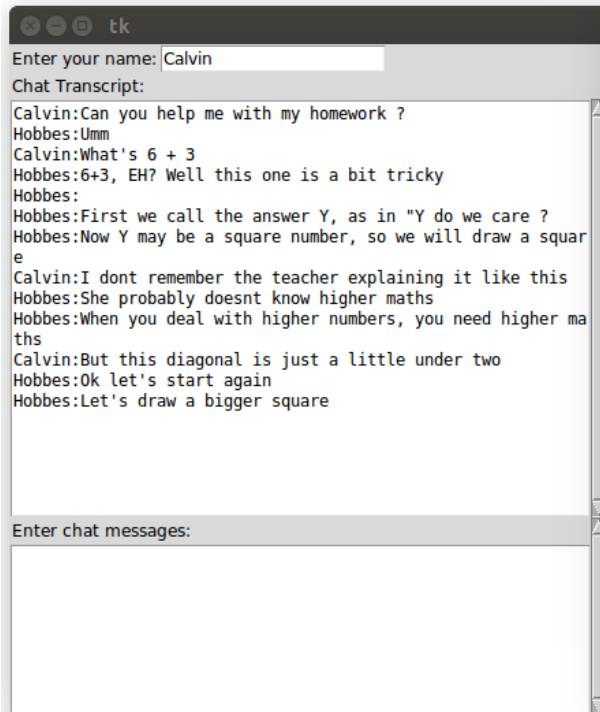
NOW  LIGHT RAIN

Temperature  
10.57 °C ~ 10.57 °C      51.03 °F

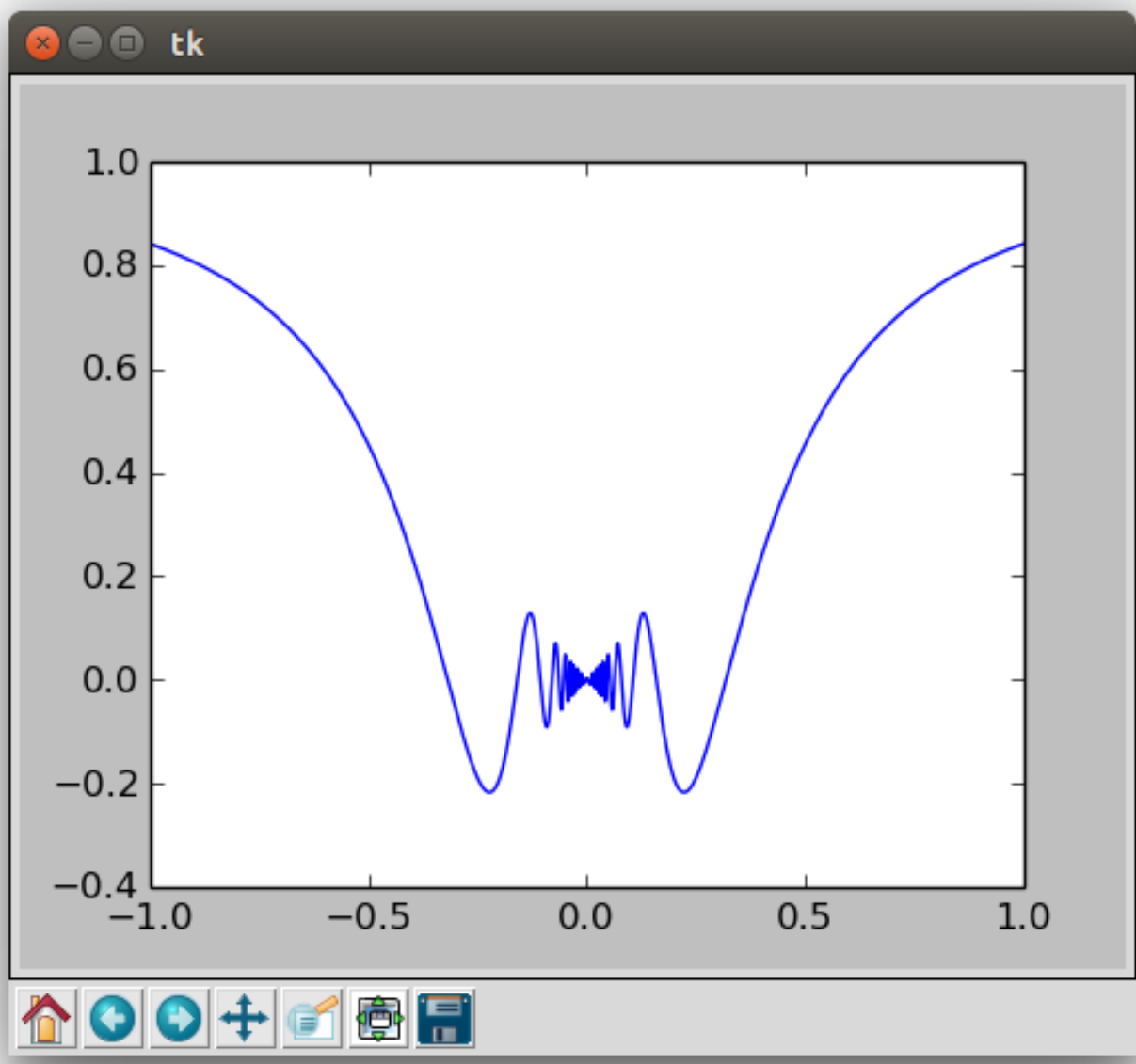
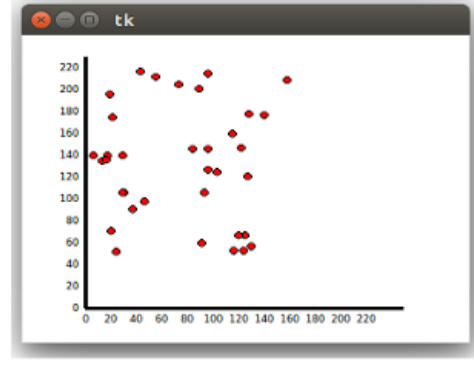
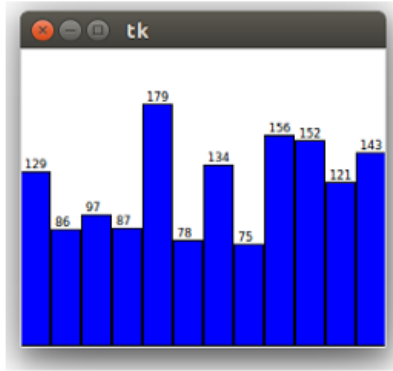
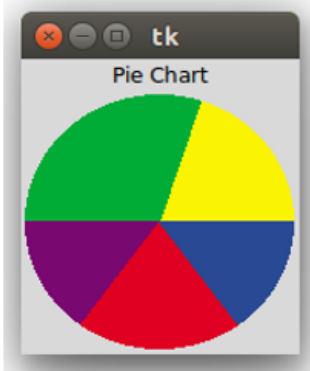
Relative Humidity	85 %
Wind Speed	1.01 m/s
Wind Degree	215.506 degrees
Pressure(at.)	655.93 millibars
Rain (Last 3h)	0.2675 mm
Clouds	80 %
Sunrise	05:19:47
Sunset	17:42:57

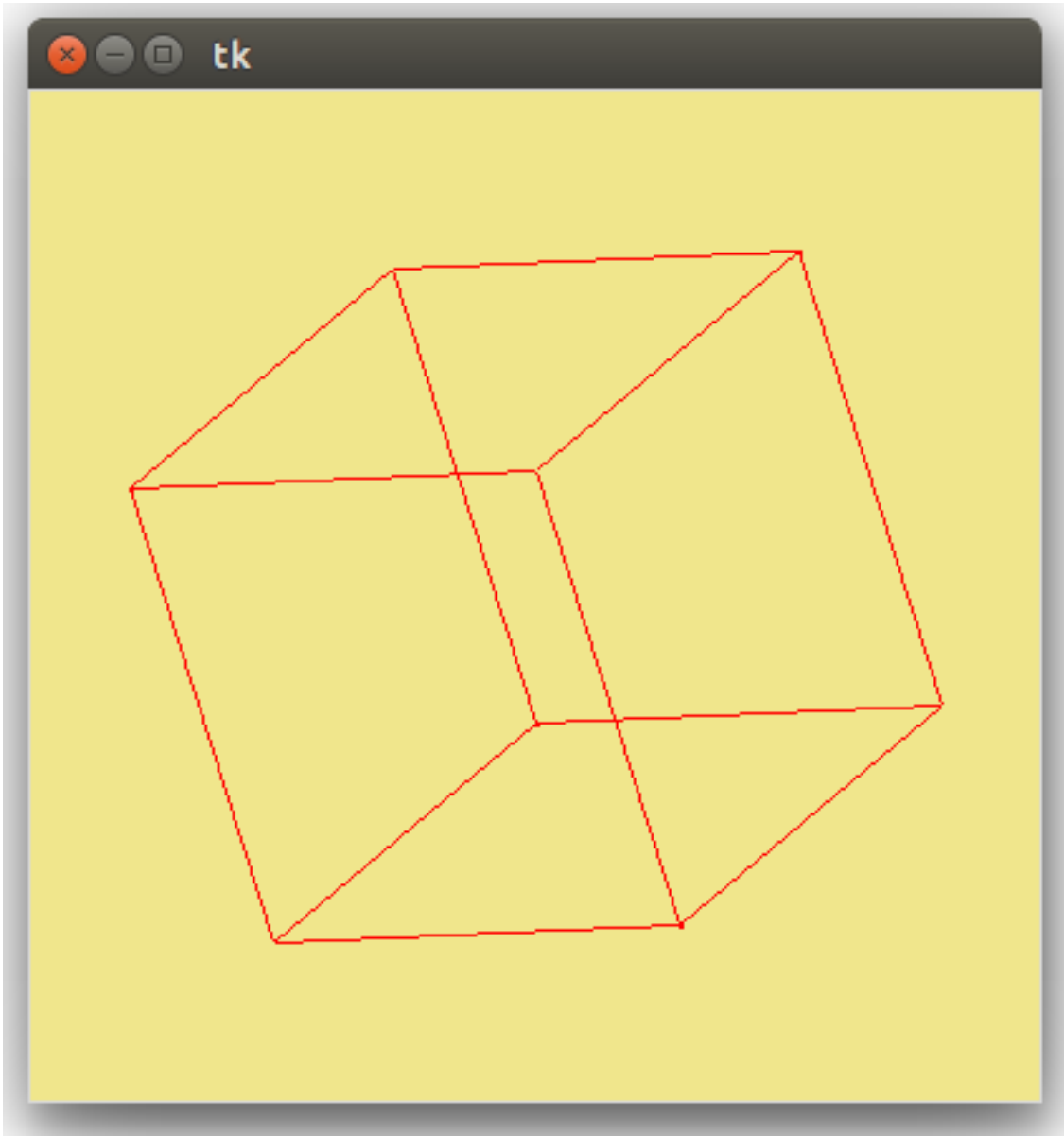
Powered by:  
[www.openweathermap.org](http://www.openweathermap.org)

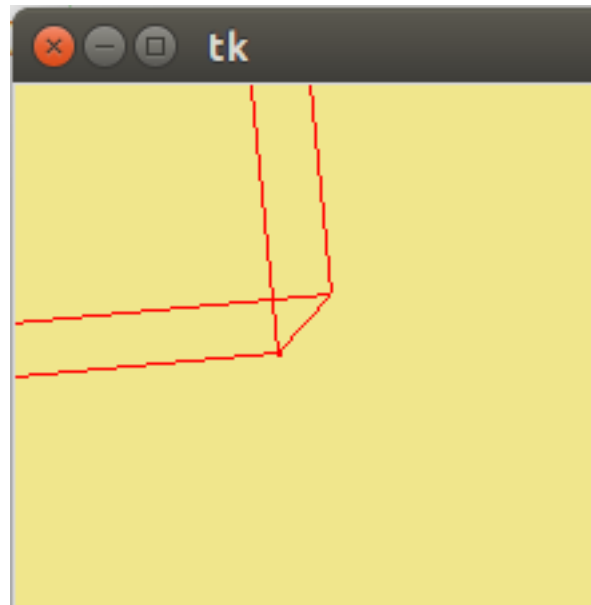












## Chapter 8: Miscellaneous Tips

```
Traced variable H
Traced variable He
Traced variable Hel
Traced variable Hell
Traced variable Hello
Traced variable Hello
Traced variable Hello W
Traced variable Hello Wo
Traced variable Hello Wor
Traced variable Hello Worl
Traced variable Hello World
```

