PYTHON GUI: Buttons

Computer Science Software Engineering

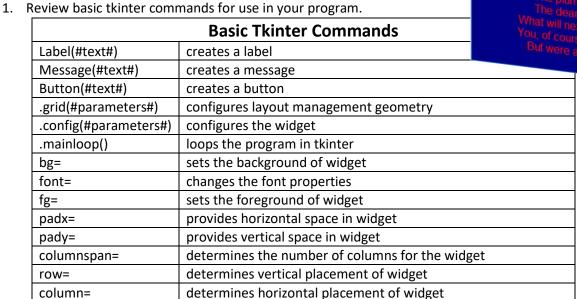
Learning Objectives

text=

Students will be able to demonstrate mastery of ...

- 1. Python GUI Interface Commands
- 2. Creating Labels with Custom Messages

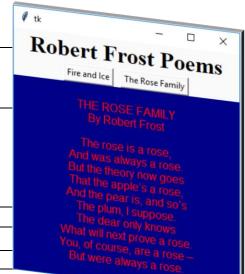
Procedure



2. You can now use this basic code to create a rudimentary message using Labels in a Python GUI.

provides text within the widget

1	import tkinter
2	#
3	def run1():
4	lbl1=tkinter.Label(text=msg1)
5	lbl1.config(bg="navyblue",font=(16),fg="red",width=35,height=15)
6	lbl1.grid(row=3,columnspan=2)
7	def run2():
8	lbl1=tkinter.Label(text=msg2)
9	lbl1.config(bg="navyblue",font=(16),fg="red",width=35,height=15)
10	lbl1.grid(row=3,columnspan=2)
11	#
12	msg1="""
13	FIRE AND ICE
14	By Robert Frost
15	
16	Some say the world will end in fire,
17	Some say in ice.
18	From what I've tasted of desire
19	I hold with those who favor fire.
20	But if it had to perish twice,



21	I think I know enough of hate
22	To say that for destruction ice
23	Is also great
24	And would suffice.
25	IIIII
26	#
27	msg2="""
28	THE ROSE FAMILY
29	By Robert Frost
30	
31	The rose is a rose,
32	And was always a rose.
33	But the theory now goes
34	That the apple's a rose,
35	And the pear is, and so's
36	The plum, I suppose.
37	The dear only knows
38	What will next prove a rose.
39	You, of course, are a rose –
40	But were always a rose.
41	шш
42	#
43	title=tkinter.Label(text="Robert Frost Poems")
44	title.config(font=("times",24,"bold"))
45	title.grid(columnspan=2)
46	tkinter.Button(text="Fire and
	Ice",command=run1).grid(row=1,column=0,sticky="E",padx=5)
47	tkinter.Button(text="The Rose
	Family",command=run2).grid(row=1,column=1,sticky="W",padx=5)
48	lbl1=tkinter.Label()
49	lbl1.config(bg="navyblue",font=(16),fg="red",width=35,height=15)
50	lbl1.grid(row=3,columnspan=2)
51	tkinter.mainloop()

Assignment

Modify the code to practice creating your own messages. You must meet the following standards:

- 1. Creates custom buttons
- 2. Uses custom font type
- 3. Uses custom font size

To exceed the standard (add one or more of the following):

1. Display two windows with buttons on the screen simultaneously