

PYTHON GUI: Images

Computer Science Software Engineering

Learning Objectives

Students will be able to demonstrate mastery of ...

1. Python GUI Interface Commands
2. Uploading Custom Images to the GUI

Procedure

1. Review basic tkinter commands for use in your program.

Basic Tkinter Commands	
Label(#text#)	creates a label
Message(#text#)	creates a message
Button(#text#)	creates a button
.grid(#parameters#)	configures layout management geometry
.config(#parameters#)	configures the widget
.mainloop()	loops the program in tkinter
bg=	sets the background of widget
font=	changes the font properties
fg=	sets the foreground of widget
padx=	provides horizontal space in widget
pady=	provides vertical space in widget
columnspan=	determines the number of columns for the widget
row=	determines vertical placement of widget
column=	determines horizontal placement of widget
text=	provides text within the widget

2. You can now use this basic code to upload an image to your Python GUI.

1	import tkinter as tk
2	root=tk.Tk()
3	img=tk.PhotoImage(file="tree.png")
4	tk.Label(root,image=img).grid()
5	root.mainloop()

Assignment

Modify the code to practice creating your own images in the GUI. You must meet the following standards:

1. Load custom image on Python GUI

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

1. Display two windows with images on the screen simultaneously

