Using Buttons and Labels with Python GUI Event Driven Programming

The following example uses buttons to modify labels :

from tkinter import * # create the main window of # the application creating # main window object named window #Tkinter (pronounced "Tee-Kay-Inter) def changeLabel1(): label1.config(text= "Hello World!") # The geometry() method defines the width, height and coordinates of the top left corner of the frame as below # (all values are in pixels); window.geometry("widthxheight+XPOS+YPOS") The application # object then enters an event listening loop by calling the mainloop() method. window=Tk() window.title('Hello World') window.geometry("400x300+200+200") # add widgets here # Create label1 label1=Label(window, text="This is Label widget", fg='red', font=("Helvetica",16)) label1.place(x=80, y=50) # create button1 button1=Button(window, text="This is Button widget", fg='blue', font=("Helvetica", 16), command = changeLabel1) button1.place(x=80, y=100) window.mainloop()

GUI - Assignment #1

1. Create a program that uses 4 buttons, to output translated text in 4 languages, including English. Make the colour of each translation a different colour and font.

Try the Google translator for translations.

2. Create a program that uses a button to output a random number (range 1 to 100) in a label. Make this number red and as large as possible.

import random

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print(random.randint(0,9))
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3. Create a Riddle application that displays a riddle and then solves it when the answer button is clicked.

Example :

What is yours but your friend uses more than you do? Your name.

http://en.wikipedia.org/wiki/Riddle