

Example 4: Tkinter GUI Window / Text Entry

In this example, we will see how to add a text entry-box into our GUI window. Aside from a few small visual details everything-else is the same. The details are up to you, I recommend changing the colours, or font sizes and values where you want to. Learn how to set up a window that suits what you want it to be used for.

In this Python script There is a text entry box. It allows the user to type any text in to it, but we have gone a step further. The text entry box has a button linked to it, and when the button is pressed the written text gets printed in the Shell window.

Heres the new code:

```
from tkinter import *

top = Tk()
top.title('Tkinter GUI - Example 4')
top.minsize(400, 400)
top.configure(bg='orange')

lbl = Label(top, text='Assigning Functions To Buttons', bg='yellow', fg='blue', font='14')
lbl.pack()

def hello_callback(): print('Button Clicked')

def callback():
    print(ent.get())

btn = Button(top, text='Click Here', font='freesansbold, 14', command=hello_callback)
btn.pack()

exit_button=Button(top, text='Exit', fg='red', bg='black', font='freesansbold, 14', command=quit)
exit_button.pack(side=BOTTOM)

ent = Entry(top)
ent.pack()

btn2 = Button(top, text='Print Text', fg='blue', font='bold, 14', width=15, command=callback)
btn2.pack()

top.mainloop()
```

So we have added a new function:

- `def callback()`

The new function has a line reading `print(ent.get())` Which tells Python to 'Get' the string that is entered in the entry box, and 'print' tells Python to send it to the Shell as a Printed message. By making it a function like this, we can assign it as a command to a button (our click here button)

Again – a few visual details have may have been altered but by now you should be able to change these yourself as it's nothing we haven't covered already.

In the next example we will re-write an existing program of mine that takes user input, performs a calculation with it, then gives it back to the user by displaying it in the GUI – It is a Feet to Meters converter app / program.

