

Date: 26<sup>th</sup> May

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Course: Python

USN: HAM8EC042

Topic: Day 8 [Graphical user Interface with Tkinter]

Sem & Sec: IV Sem & A' Sec.

GitHub Repository: Rakshita.

Report :-

from tkinter import \*

window = Tk()

b1 = Button(window, text = "Execute")

window.mainloop()

setting up a GUI with widgets.

from tkinter import \*

window = Tk()

b1 = Button(window, text = "Execute")

b1.grid(row=0, column=0)

e1 = Entry(window)

e1.grid(row=0, column=1)

t1 = Text(window, height=1, width=20)

t1.grid(row=0, column=2)

window.mainloop()

Connecting GUI widgets with callback functions.

Create a python program that expects a kilogram input value & converts that value to grams, pounds, & ounces when the user pushes the convert button.

the program will look similar to the one in the following.

Tip : 1 kg = 1000 grams

1kg = 35.274 ounces.

1 kg = 2.20462 pounds

Solution:- from tkinter import \*

mainwindow = Tk()

def from\_kg():

gram = float(e2\_value.get()) \* 10000

pound = float(e2\_value.get()) \* 0.20462

ounce = float(e2\_value.get()) \* 35

t1.delete("1.0", END)

t1.insert(END, gram)

t2.delete("1.0", END)

t2.insert(END, pound)

t3.delete("1.0", END)

t3.insert(END, ounce)

e1 = Label(mainwindow, text = "kg")

e1.grid(row=0, column=0)

e2\_value = StringVar()

e2 = Entry(mainwindow, textvariable = e2\_value)

e2.grid(row=0, column=1)

b1 = Button(mainwindow, text = "Convert", command = from\_kg)

b1.grid(row=0, column=2)

t1 = Text(mainwindow, height = 1, width = 20)

t1.grid(row=1, column=0)

t2 = Text(mainwindow, height = 1, width = 20)

t2.grid(row=1, column=1)

t3 = Text(mainwindow, height = 1, width = 20)

t3.grid(row=1, column=2)

mainwindow.mainloop()

Deleting, Inserting, Deleting, and updating SQLite Records.

Introduction to PostgreSQL.

Querying data from a MySQL database: