**25.How to create canvas and frame in GUI using python?**

**Objective:**

* To create canvas and frame using python3.

**Process:**

* **Canvas:**

It is used to draw pictures and other complex layout like graphics, text and widgets.

* **Frame:**

It acts as a container to hold the widgets. It is used for grouping and organizing the widgets.

**Input:**

* GUI Canvas and Frame.

**Output:**

* New GUI window having above canvas and frame.

**Source code(Canvas):**

#import tkinter

from tkinter import \*

#create root window

top = Tk()

#define canvas variable

w = Canvas(top, bg = "green", height = 150, width = 300)

#define coordinates to create arc

coord = 10, 50, 240, 210

oval = w.create\_oval(coord,fill = "white")

line = w.create\_line(10,10,200,200,fill = 'black')

w.pack()

top.mainloop()

**Source code(Frame):**

#import tkinter

import tkinter as tk

#create root window

top = tk.Tk()

#create GUI frame

frame = Frame(top)

frame.pack()

bottomframe = Frame(top)

bottomframe.pack( side = BOTTOM )

#buttons

Enggbutton = Button(frame, text = 'Engineering', fg ='red')

Enggbutton.pack( side = LEFT)

Artsbutton = Button(frame, text = 'Arts', fg='white')

Artsbutton.pack( side = LEFT )

Medicalbutton = Button(frame, text ='Medical',

fg ='green')

Medicalbutton.pack( side = LEFT )

Diplomabutton = Button(frame, text ='Diploma',

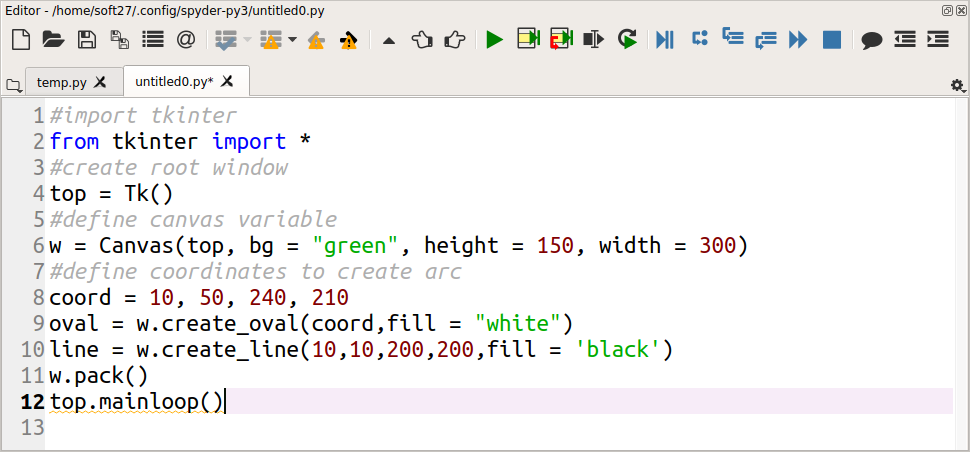
fg ='black')

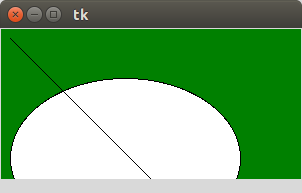
Diplomabutton.pack( side = BOTTOM)

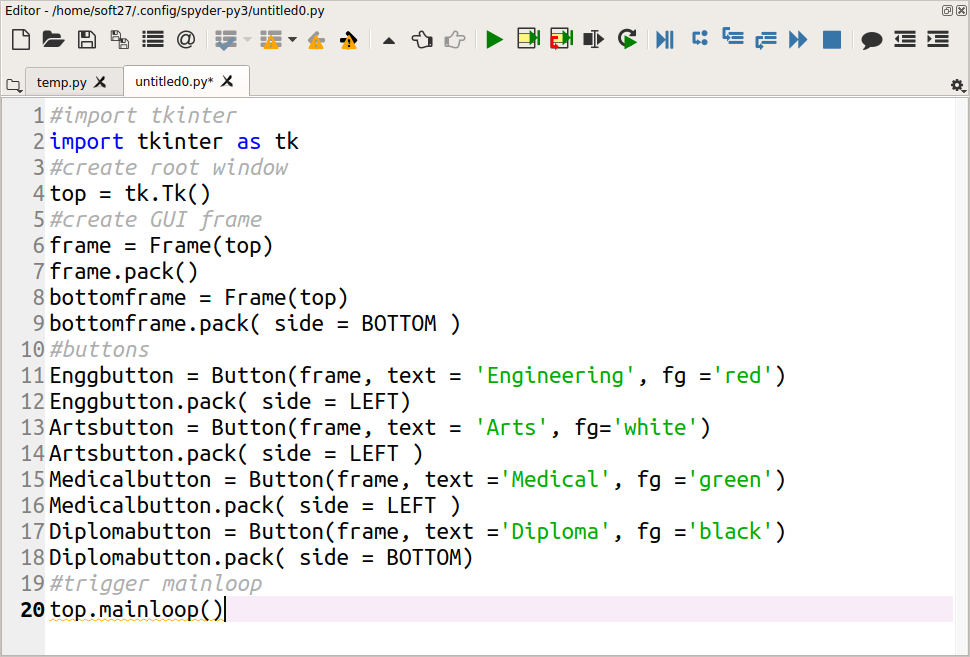
#trigger mainloop

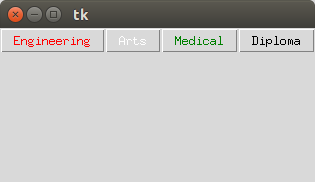
top.mainloop()

**Screen shots:**

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