

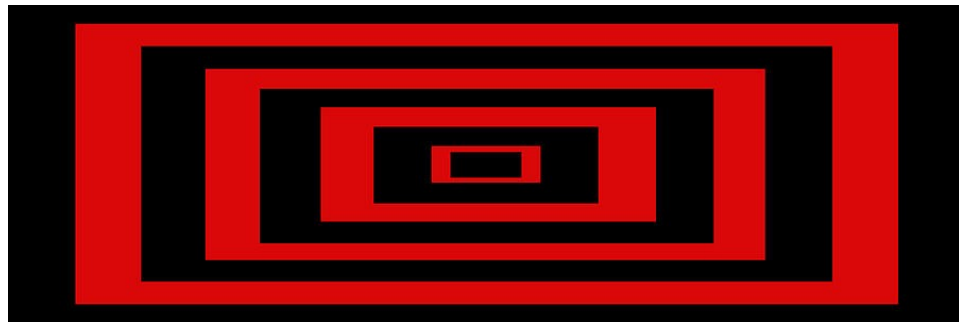
Gui Assignment #4 – Graphics and Canvas

Create programs to do the following:

- a) Creates a happy face (or sad) on a canvas



- b) Create something similar to the image below. Loops?



- c) Create a piece of art that you have designed that has at least 6 graphical objects of different colours. Sign your name on it so we can hang it on the fridge at home.

```
from tkinter import *
```

```
root=Tk()
root.title("Canvas Objects")
root.geometry("800x700+100+100")

c=Canvas(root,width=500,height=500,bg="black")
c.place(x=100,y=100)

#creating rectangle on canvas
r = c.create_rectangle(50,150,250,50,fill="blue")

# Create green line
gline= c.create_line(100,200,200,35, fill="green", width=5)

# Create circle
circle = c.create_oval(60,260,210,210,fill="red")

#Load an image
img = PhotoImage(file='kitten.png')

#Add image to the Canvas
kitten=c.create_image(300,300,image=img)

#Add text to canvas
words =c.create_text(340, 50, text="HELLO WORLD", fill="Green",
font=('Helvetica 15 bold'))

# Polygon
poly= c.create_polygon(
    (350, 225), (350, 300), (375, 275), (400, 300),
    (425, 275), (450, 300), (450, 225),
    fill='purple'
)

# arc

arc=c.create_arc(300,300,400,350,start=180,extent=180,fill="red",
outline='red',width=6,style=ARC)

root.mainloop()
```