Assignment -3

**Question**

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

**CODE:**

import turtle import time

wn= turtle.getscreen()

#gui interfrace pen= turtle.Turtle() pen.color("Yellow") pen.width(4) pen.hideturtle() pen.penup() pen.goto(-30, 60) pen.pendown() pen.fd(60) pen.rt(90) pen.fd(120) pen.rt(90) pen.fd(60) pen.rt(90) pen.fd(120)

#Red light

red\_light =turtle.Turtle() red\_light.shape("circle") red\_light.color("grey") red\_light.penup() red\_light.goto(0, 40)

#Yellow light

yellow\_light =turtle.Turtle() yellow\_light.shape("circle") yellow\_light.color("grey") yellow\_light.penup() yellow\_light.goto(0, 0)

#Green light

green\_light =turtle.Turtle() green\_light.shape("circle")

green\_light.color("grey") green\_light.penup() green\_light.goto(0, -40)

while True: yellow\_light.color("grey") red\_light.color("red")

print("Red light Blinked - Now vehicle Stop behind zebra cross..")

print("Blink!!") time.sleep(2) print("Blink!!")

red\_light.color("grey") green\_light.color("green")

print("Green light on- Now vehicle can go..") print("Blink!!")

time.sleep(3) print("Blink!!")

green\_light.color("grey") yellow\_light.color("yellow")

print("Yellow light Blinked- Now vehicle Ready to go..") print("Blink!!")

time.sleep(1) print("Blink!!") wn.mainloop()