**ASSIGNMENT-3a**

import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

sleep(1)

**ASSIGNMENT-3b**

import turtle

import time

wn= turtle.getscreen()

wn.title("Stoplight By Diino-Prakash")

wn.bgcolor("black")

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 =turtle.Turtle()

red\_light.shape("circle")

red\_light.color("grey")

red\_light.penup()

red\_light.goto(0, 40)

yellow\_light =turtle.Turtle()

yellow\_light.shape("circle")

yellow\_light.color("grey")

yellow\_light.penup()

yellow\_light.goto(0, 0)

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()