# **ASSIGNMENT-3**

#### AIM:

To write a python code for blinking LED and Traffic Lights for Raspberry Pi.

#### **SOFTWARE USED:**

Python IDLE 3.10.7 (64 bit)

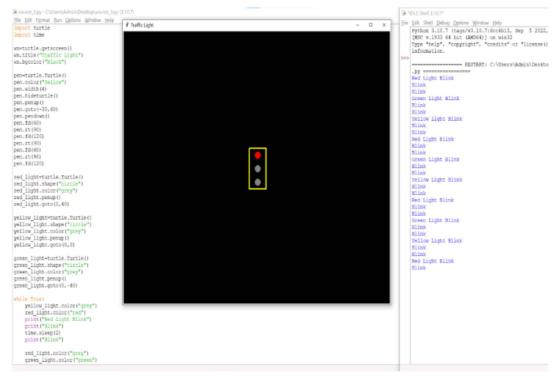
```
PROGRAM:
import turtle
import time
wn=turtle.getscreen() wn.title("Traffic Light") wn.bgcolor("black") pen=turtle.Turtle()
pen.color("Yellow")
pen.width(4)
pen.hideturtle()
pen.penup()
pen.goto(-30,60)
pen.pendown()
pen.fd(60)
pen.rt(90)
pen.fd(120)
pen.rt(90)
pen.fd(60)
pen.rt(90)
pen.fd(120)
red 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 Blink")
            print("Blink")
            time.sleep(2)
            print("Blink")
            red_light.color("grey")
            green_light.color("green")
            print("Green Light Blink")
            print("Blink")
            time.sleep(3)
            print("Blink")
            green_light.color("grey")
            yellow_light.color("yellow")
            print("Yellow Light Blink")
            print("Blink")
            time.sleep(2)
            print("Blink")
```

wn.mainloop()

### **SIMULATION OUTPUT:**



## **RESULT:**

Thus, I have successfully compiled a python code for blinking LED and Traffic Lights for Raspberry Pi.