

**IBM ASSIGNMENT – III**  
**TEAM ID: PNT2022TMID46638**

**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()
```

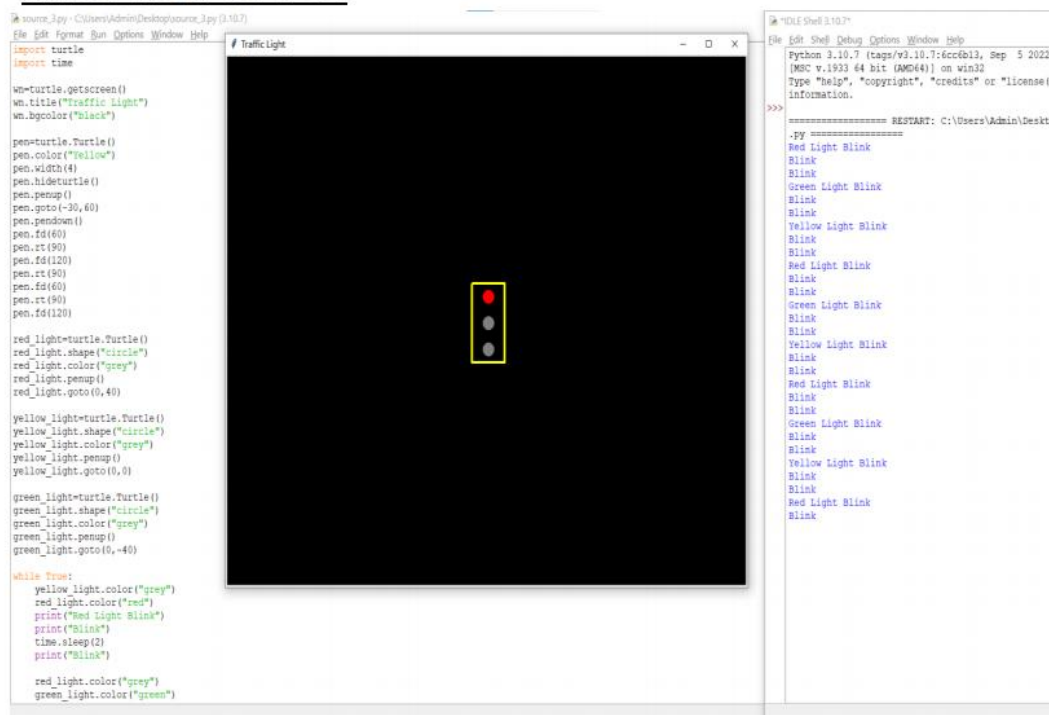
```
green_light.goto(0,-40)
while True:
```

```
    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.