

### ASSIGNMNET III

Team ID	PNT2002TMID46618
Student Name	Priyadharshini.B
Student Roll Number	821019104034
Assignmnet Date	11 November 2022

#### 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.