ASSIGNMNET III

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AIM:

To write a python code for blinking LED and Traffic Lights for Raspberry Pi
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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()
```
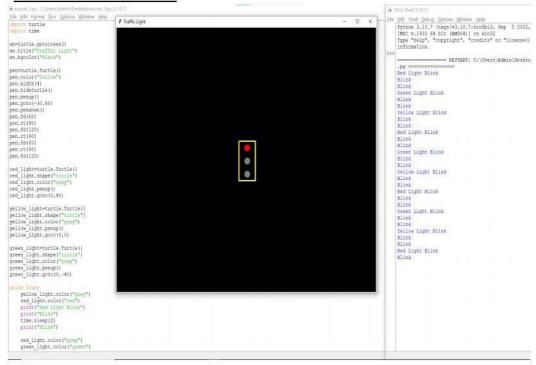
```
green_light.shape("circle")
green_light.color("grey")
green_light.penup()
green_light.goto(0,-40) while True:

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.