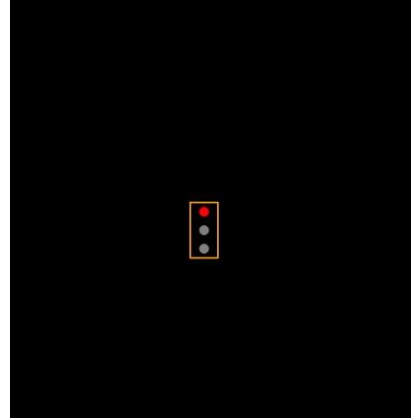| NAME	SRIDHAR S
REGISTER NO	611819106051
TOPIC	TO BUILD A TRAFFIC LIGHT SIMULATION USING PYTHON
PROJECT TITLE	SMART SOLUTION FOR RAILWAYS
MENTOR NAME	PRAKASAM L ASP/ECE
COLLEGE NAME	PSV COLLEGE OF ENGINEERING & TECHNOLOGY
ASSIGNMENT NO	3

PYTHON CODE

```python
import turtle
import time
wn = turtle.Screen()
wn.bgcolor("black")
pen = turtle.Turtle()
pen.color("orange")
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)
```
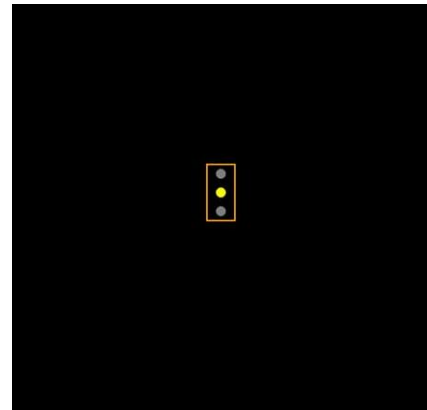
```
red_light = turtle.Turtle()
red_light.shape("circle")
red_light.color("gray")
red_light.penup()
red_light.goto(0,40)
yellow_light = turtle.Turtle()

yellow_light.shape("circle")
yellow_light.color("gray")
yellow_light.penup()
yellow_light.goto(0,0)
green_light = turtle.Turtle()
green_light.shape("circle")
green_light.color("gray")
green_light.penup()
green_light.goto(0,-40)
while True:
        yellow_light.color("gray")
        red_light.color("red")
        time.sleep(2.5)
        red_light.color("gray")
        green_light.color("green")
        time.sleep(2)
        green_light.color("gray")
        yellow_light.color("yellow")
        time.sleep(1.5)
wn.mainloop()
```

Output

Stop

Listen

Go