

## Output :

### Assignment - 3

Traffic lights for Raspberry pi

Date	29 September 2022
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Maximum Marks	2 Marks

### Question - 3

Write python code for blinking LED and Traffic lights for Raspberry pi.

Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

#### Code:

```
#traffic light for raspberry pi simulating in pycham with GUI
```

```
import turtle
```

```
import time
```

```
wn= turtle.getscreen()
```

```
wn.title("Stoplight By Arunpandiyan M")
```

```
wn.bgcolor("#000080")
```

```
#gui interfrace
```

```
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
```

```
red_light =turtle.Turtle()
```

```
red_light.shape("circle")
```

```
red_light.color("grey")
```

```
red_light.penup()
```

```
red_light.goto(0, 40)
```

## Output :

```
#Yellow light
yellow_light=turtle.Turtle()
yellow_light.shape("circle")
yellow_light.color("grey")
yellow_light.penup()
yellow_light.goto(0, 0)

#Green light
green_light=turtle.Turtle()
green_light.shape("circle")

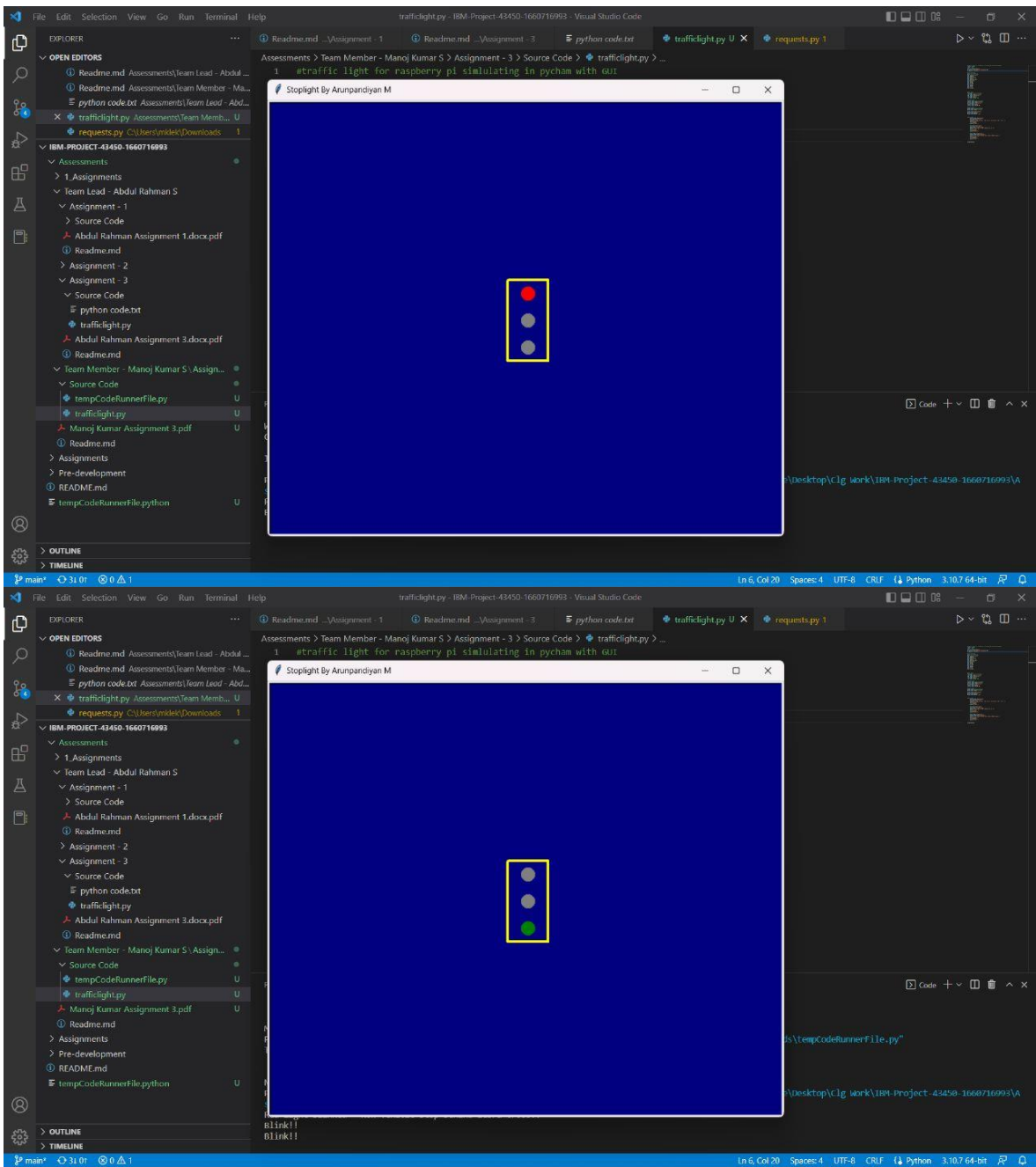
green_light.color("grey")
green_light.penup()
green_light.goto(0, -40)

while True:
    yellow_light.color("grey")
    red_light.color("red")
    print("Red light Blinked - Now vehicle Stop behind zebra cross..")
    print("Blink!!")
    time.sleep(2)
    print("Blink!!")

    red_light.color("grey")
    green_light.color("green")
    print("Green light on- Now vehicle can go..")
    print("Blink!!")
    time.sleep(3)
    print("Blink!!")

    green_light.color("grey")
    yellow_light.color("yellow")
    print("Yellow light Blinked- Now vehicle Ready to go..")
    print("Blink!!")
    time.sleep(1)
    print("Blink!!")
wn.mainloop()
```

Output :



Output :

