Assignment -3   211419106229

Question:

1. **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**

   AIM:

   To Traffic light for raspberry pi simulating in python with GUI

```python
import turtle import time wn=

turtle.getscreen()

wn.title("Stoplight By Harish")

wn.bgcolor("black")


#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)



#Yellow light
yellow_light =turtle.Turtle()

yellow_light.shape("circle")

yellow_light.color("grey")

yellow_light.penup()

yellow_light.goto(0, 0)


#Green light
```

```python
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_lig                        ht.color("grey")

        green_light.color("green")   print("Green   light

        on-  Now  vehicle  can  go..")    print("Blink!!")

        time.sleep(3) print("Blink!!")



        green_lig    ht.color("grey")   yellow_light.color("yellow")

        print("Yellow light Blinked- Now vehicle Ready to go..")

        print("Blink!!") time.sleep(l) print("Blink!!")
```

```
wn.mainloop()
```