

## Assignment 3

**TEAM ID : PNT2022TMID47004**

### **Python code:**

```
import turtle
import time
wn= turtle.getscreen()
wn.title("Stoplight By Adlin")
wn.bgcolor("black")
```

#### **#gui interface**

```
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
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 WITH GUI INTERFACE

```
C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.2032.0_x64__qbz5n2kfra8p0\python3.10.exe
Red light Blinked - Now vehicle Stop behind zebra cross..
Blink!!
Blink!!
Green light on- Now vehicle can go..
Blink!!
Blink!!
Yellow light Blinked- Now vehicle Ready to go..
Blink!!
```







