

ASSIGNMENT – 3

#traffic light for raspberry pi simulating in pycham with GUI

import turtle

import time

wn= turtle.getscreen()

wn.title("Stoplight By Gogulkrish")

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  
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()
```