

Traffic light for raspberry pi simulating in pycharm with GUI

```
Import turtle
```

```
Import time
```

```
Wn= turtle.getscreen()
```

```
Wn.title("Stoplight By Bhavatharani")
```

```
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()
```