

```
#traffic light for raspberry pi simlulating in pych  
am 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 b  
ehind 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()
```