

Assignment-3

Blinking LED and Traffic lights using python

Code:

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