ASSIGNMENT 3

Write python code for blinking LED and Traffic lights for Raspberry pi

```python
#traffic light for raspberry pi simlulating in pycham with GUI
import turtle
import time
wn= turtle.getscreen()
wn.title("Traffic Light By SWATHI S")
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")
```

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```python
green_light.color("grey")
green_light.penup()
green_light.goto(0, -40)


while True:
    yellow_light.color("grey")
    red_light.color("red")
    print("Red Signal-Vehicles Must Stop")
    print("Blink!!")
    time.sleep(2)
    print("Blink!!")

    red_light.color("grey")
    green_light.color("green")
    print("Green Signal-Vehicles Are Allowed To GO")
    print("Blink!!")
    time.sleep(3)
    print("Blink!!")

    green_light.color("grey")
    yellow_light.color("yellow")
    print("Yellow Signal- Vehicle Must Be Ready")
    print("Blink!!")
    time.sleep(1)
    print("Blink!!")


wn.mainloop()
```