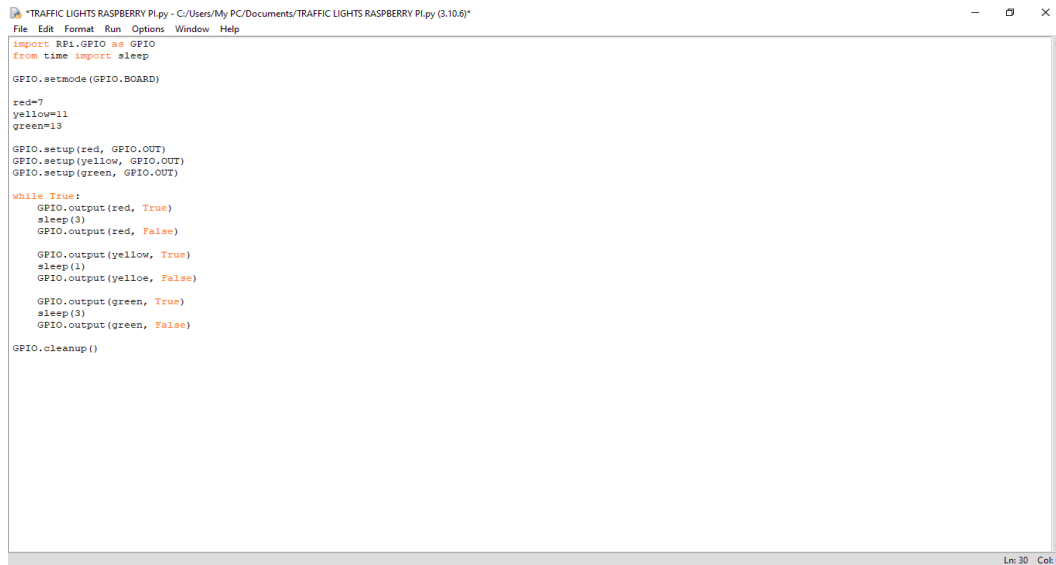


# PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

A screenshot of a text editor window titled "TRAFFIC LIGHTS RASPBERRY Pi.py (3.10.6)". The window contains a Python script for controlling traffic lights. The script imports RPi.GPIO as GPIO and time as sleep. It sets the GPIO mode to BOARD and defines pin numbers for red (7), yellow (11), and green (13) LEDs. It then sets up each pin as an output. A while loop turns the lights on and off in sequence: red for 3 seconds, yellow for 1 second, and green for 3 seconds. The script ends with a cleanup function.

```
import RPi.GPIO as GPIO
from time import sleep

GPIO.setmode(GPIO.BOARD)

red=7
yellow=11
green=13

GPIO.setup(red, GPIO.OUT)
GPIO.setup(yellow, GPIO.OUT)
GPIO.setup(green, GPIO.OUT)

while True:
    GPIO.output(red, True)
    sleep(3)
    GPIO.output(red, False)

    GPIO.output(yellow, True)
    sleep(1)
    GPIO.output(yellow, False)

    GPIO.output(green, True)
    sleep(3)
    GPIO.output(green, False)

GPIO.cleanup()
```

## CODEING

**import RPi.GPIO as GPIO**

**from time import sleep**

**GPIO.setmode(GPIO.BOARD)**

**red=7**

**yellow=11**

**green=13**

**GPIO.setup(red, GPIO.OUT)**

**GPIO.setup(yellow, GPIO.OUT)**

**GPIO.setup(green, GPIO.OUT)**

**while True:**

**GPIO.output(red, True)**

**sleep(3)**

**GPIO.output(red, False)**

**GPIO.output(yellow, True)**

**sleep(1)**

**GPIO.output(yelloe, False)**

**GPIO.output(green, True)**

**sleep(3)**

**GPIO.output(green, False)**

**GPIO.cleanup()**