

## ASSIGNMENT 3

Python code for blinking LED and Traffic Light for Raspberry pi

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### Code for LED

```
from gpiozero import LED
from time import sleep
led=LED(16)
while True:
    led.on()
    sleep(1)
    led.off()
    sleep(1)
```

### Code for Traffic light

```
import RPi.GPIO as GPIO
import time
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()
```