

## ASSIGNMENT 3

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**Python code for blinking of LED light:**

### **CODE :**

```
import RPi.GPIO as GPIO
```

```
import time
```

```
LED_PIN = 17
```

```
GPIO.setmode(GPIO.BCM)
```

```
GPIO.setup(LED_PIN, GPIO.OUT)
```

```
while True:
```

```
    GPIO.output(LED_PIN, GPIO.HIGH)
```

```
    time.sleep(1)
```

```
    GPIO.output(LED_PIN, GPIO.LOW)
```

```
    time.sleep(1)
```

```
GPIO.cleanup()
```

**Python code for traffic lights :**

## CODE :

```
from time import sleep  
lights = TrafficLights(24, 7, 8)  
  
while True:  
    light.green.on()  
    sleep(1)  
    lights.amber.on()  
    sleep(1)  
    lights.red.on()  
    sleep(1)  
    lights.off()
```