

NALAIYA THIRAN

GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES - ASSIGNMENT 3

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Write Python code for Blinking LED and Traffic lights for Raspberry pi.

CODE 1:

BLINKING LED

```
import RPi.GPIO as GPIO
import time
LED_PIN = 17
GPIO.setmode(GPIO.BCM)
GPIO.setup(LED_PIN, GPIO.OUT)
GPIO.output(LED_PIN, GPIO.HIGH)
time.sleep(1)
GPIO.output(LED_PIN, GPIO.LOW)
GPIO.cleanup()
```

CODE 2:

#TRAFFIC LED

```
from gpiozero import LED
```

```
from time import sleep
```

```
red = LED(22)
```

```
amber = LED(27)
```

```
green = LED(17)
```

```
while(True):
```

```
    red.on()
```

```
    sleep(1)
```

```
    amber.on()
```

```
    sleep(1)
```

```
    green.on()
```

```
    sleep(1)
```
