

ASSIGNMENT 3

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Python code for blinking of LED light:

CODE :

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

```
import time
```

```
LED_PIN = 19
```

```
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 gpiozero import LED
from time import sleep
lights = TrafficLights(23, 9, 8)
```

```
while True:
```

```
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
```