

## Write python code for blinking LED and Traffic for Raspberrypi.

# Blink an LED

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

```
from time import sleep
```

```
gpio.setwarnings(False)
```

```
gpio.setmode(GPIO.BOARD)
```

```
gpio.setup(23, GPIO.OUT, initial=GPIO.LOW)
```

```
while True:
```

```
    gpio.output(23, GPIO.HIGH)
```

```
    sleep(1)
```

```
    gpio.output(23, GPIO.LOW)
```

```
    sleep(1)
```

# Traffic Light

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

```
from time import sleep
```

```
gpio.setwarnings(False)
```

```
gpio.setmode(GPIO.BOARD)
```

```
gpio.setup(23, GPIO.OUT, initial=GPIO.LOW) # Red
```

```
gpio.setup(24, GPIO.OUT, initial=GPIO.LOW) # Yellow
```

```
gpio.setup(25, GPIO.OUT, initial=GPIO.LOW) # Green
```

```
while True:
```

```
    gpio.output(23, GPIO.HIGH)
```

```
    sleep(50)
```

```
    gpio.output(24, GPIO.HIGH)
```

```
    sleep(5)
```

```
gpio.output(23, GPIO.LOW)
```

```
sleep(5)
```

```
gpio.output(24, GPIO.LOW)
```

```
gpio.output(25, GPIO.HIGH)
```

```
sleep(50)
```

```
gpio.output(25, GPIO.LOW)
```

```
gpio.sleep(1)
```