

# IBM ASSESSMENT

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## **CODE:**

### **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()
```

### **Traffic LED:**

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
GPIO.setup(10, GPIO.OUT, initial=GPIO.LOW)
GPIO.setup(12, GPIO.OUT, initial=GPIO.LOW)
while True:
    GPIO.output(8, GPIO.HIGH)
    sleep(2)
    GPIO.output(8, GPIO.LOW)
```

```
sleep(2)
GPIO.output(10, GPIO.HIGH)
sleep(2)
GPIO.output(10, GPIO.LOW)
sleep(2)
GPIO.output(12, GPIO.HIGH)
sleep(2)
GPIO.output(12, GPIO.LOW)
sleep(2)
```