

ASSIGNMENT 3

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Write python code for blinking LED and Traffic lights for Raspberry pi.

PROGRAM

Blinking LED

```
import time
import RPi.GPIO as GPIO
GPIO.setmode (GPIO.BCM)
GPIO.setup(4,GPIO.OUT)
GPIO.output(4,True)
time.sleep(3)
GPIO.output(4, False)
```

Traffic light

```
from gpiozero import LED
from time import sleep
green = LED (5)
red = LED (6)
blue = LED (13)
```

```
while True:
```

```
    green.off()
```

```
    red.off()
```

```
    blue.off()
```

```
    sleep (3)
```

```
    green.on()
```

```
    sleep(3)
```

```
    green.off()
```

```
    red.on()
```

```
    sleep(3)
```

```
    red.off()
```

```
        blue.on()
```

```
        sleep(3)
```