

ASSIGNMENT 3

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AIM:

Build a Raspberry pi code for blinking LED and Traffic light.

SOFTWARE REQUIRED:

Raspberry pi

Raspberry pi CODE:

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

```
import time
```

```
LED_PIN = 17
```

```
GPIO.setmode(GPIO.BCM)
```

```
GPIO.setup(LED_PIN, GPIO.OUT)
```

```
try:
```

```
    while True:
```

```
        GPIO.output(LED_PIN, GPIO.HIGH)
```

```
        time.sleep(1)
```

```
        GPIO.output(LED_PIN, GPIO.LOW)
```

```
time.sleep(1)
```

```
except KeyboardInterrupt:
```

```
GPIO.cleanup()
```