

### Assignment-1

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#### Question-3:

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

#### CODE:

```
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()
```

```
from gpiozero import LED
```

```
from time import sleep
```

```
red = LED(22)
```

```
amber = LED(27)
```

```
green = LED(17)
```

```
red.on()
```

```
sleep(1)
```

**amber.on()**

**sleep(1)**

**green.on()**

**sleep(1)**