

ASSESSMENT 3

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Python code for blinking of LED light:

CODE:

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

```
LED_PIN = 15
```

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

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

```
while true:
```

```
    GPIO.output(LED_PIN, GPIO.HIGH)    time.sleep(1)  
    GPIO.output(LED_PIN, GPIO.LOW)    time.sleep(1)
```

```
GPIO.cleanup()
```

Python code for traffic lights :

CODE :

```
from gpiozero import LED
```

```
from time import sleep
```

```
lights = TrafficLights(27, 5, 8)
```

```
while True:
```

```
    light.green.on()
```

```
    sleep(1)
```

```
    lights.amber.on()
```

sleep(1)

lights.red.on()

sleep(1)

lights.off()