

ASSESSMENT 3

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Python code for blinking of LED light:

CODE:

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

```
Pin = 18
```

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

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

```
while true:
```

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

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

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

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

```
GPIO.cleanup()
```

Python code for traffic lights :

CODE :

```
from gpiozero import Button, TrafficLights, Buzzer
```

```
from time import sleep
```

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

```
while True:
```

```
    Lights.green.on()
```

```
    sleep(1)
```

```
    Lights.amber.on()
```

```
    sleep(1)
```

Lights.red.on()

sleep(1)

Lights.off()