

ASSESSMENT 3

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Python code for blinking of LED light:

CODE:

```
import RPi.GPIO as GPIO

import time

Pin = 15

GPIO.setmode(GPIO.BCM)

GPIO.setwarnings(False)

GPIO.setup(Pin,GPIO.OUT)

print "LED ON"

GPIO.output(Pin,GPIO.HIGH)

time.sleep(1)

print "LED OFF"

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

Python code for traffic lights :

CODE :

```
from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

Traffic_Lights = TrafficLights(27, 5, 8)

while True:

    Traffic_Lights.green.on()

    sleep(1)

    Traffic_Lights.amber.on()

    sleep(1)
```

Traffic_Lights.red.on()

sleep(1)

Traffic_Lights.off()