BATCH: B5-5M1E

ASSIGNMENT-3

TOPIC: PYTHON SCRIPT FOR BLINKING LED AND TRAFFIC LIGHTS USING RPi

PYTHON SCRIPT

```python
import RPi.GPIO as GPIO
import time
import signal
import sys

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)

def allLightsOff(signal, frame):
        GPIO.output(9, False)
        GPIO.output(10, False)
        GPIO.output(11, False)
        GPIO.cleanup()
        sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff)
while True:
        GPIO.output(9, True)
        time.sleep(3)
        GPIO.output(10, True)
        time.sleep(1)
        GPIO.output(9, False)
        GPIO.output(10, False)
        GPIO.output(11, True)
        time.sleep(5)
        GPIO.output(11, False)
        GPIO.output(10, True)
        time.sleep(2)
        GPIO.output(10, False)
```