Assignment -3
Python Programming

Assignment Date	30 September 2022
Student Name	MS.CINDRELLA PASCAL
Student Roll Number	422119106002
Maximum Marks	2 Marks

Question:

PYTHON CODE FOR BLINKING LED

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(9, GPIO.OUT, initial=GPIO.LOW) to low (off)
while True:
    GPIO.output(9, GPIO.HIGH)
    sleep(1)
    GPIO.output(9, GPIO.LOW)
    sleep(1)
```

PYTHON CODE FOR TRAFFIC LIGHT

```
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)
```

```python
def allLightsOff(signal, frame):
GPIO.output(10, False)
GPIO.output(11, False)
GPIO.output(12, False)
GPIO.cleanup()
sys.exit(0)
signal.signal(signal.SIGINT, allLightsOff)
while True:
        GPIO.output(10, True)
        time.sleep(3)
        GPIO.output(11, True)
        time.sleep(1)
        GPIO.output(10, False)
        GPIO.output(11, False)
        GPIO.output(12, True)
        time.sleep(5)
        GPIO.output(12, False)
        GPIO.output(11, True)
        time.sleep(2)
        GPIO.output(11, False)
```