

## IBM - NALAYA THIRAN PROJECT

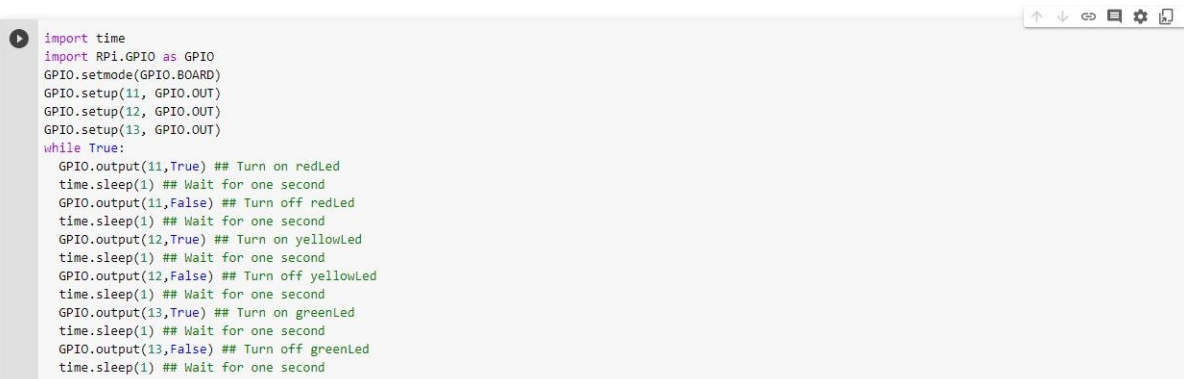
ROLL NO	718020L416
NAME	Soundaryalaxmi B
PROJECT	Signs with Smart Connectivity for Better Road Safety
ASSIGNMENT NO	3

**QUESTION:** Write Python code for Blinking LED and Traffic Lights for Raspberry Pi.

**PROGRAM:**

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
GPIO.setup(12, GPIO.OUT)
GPIO.setup(13, GPIO.OUT)
while True:
    GPIO.output(11,True) ## Turn on redLed time.sleep(1) ## Wait for one second
    GPIO.output(11,False) ## Turn off redLed time.sleep(1) ## Wait for one second
    GPIO.output(12,True) ## Turn on yellowLed time.sleep(1) ## Wait for one second
    GPIO.output(12,False) ## Turn off yellowLedtime.sleep(1) ## Wait for one second
    GPIO.output(13,True) ## Turn on greenLed time.sleep(1) ## Wait for one second
    GPIO.output(13,False) ## Turn off greenLed
    time.sleep(1) ## Wait for one second
```

**SNIPPET:**



```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
GPIO.setup(12, GPIO.OUT)
GPIO.setup(13, GPIO.OUT)
while True:
    GPIO.output(11,True) ## Turn on redLed
    time.sleep(1) ## Wait for one second
    GPIO.output(11,False) ## Turn off redLed
    time.sleep(1) ## Wait for one second
    GPIO.output(12,True) ## Turn on yellowLed
    time.sleep(1) ## Wait for one second
    GPIO.output(12,False) ## Turn off yellowLed
    time.sleep(1) ## Wait for one second
    GPIO.output(13,True) ## Turn on greenLed
    time.sleep(1) ## Wait for one second
    GPIO.output(13,False) ## Turn off greenLed
    time.sleep(1) ## Wait for one second
```

