

ASSIGNMENT 3

LED LIGHT PROGRAM:

```
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)

while True:

    GPIO.output(8,GPIO.HIGH)

    sleep(1)

    GPIO.output(8,GPIO.LOW)

    sleep(1)
```

TRAFFIC LIGHT PROGRAM:

```
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)

GPIO.setup(17,GPIO.OUT,initial=GPIO.LOW)

GPIO.setup(21,GPIO.OUT,initial=GPIO.LOW)

while True:

    GPIO.output(8,GPIO.HIGH)

    GPIO.output(17,GPIO.LOW)

    GPIO.output(21,GPIO.LOW)

    sleep(1)

    GPIO.output(8,GPIO.LOW)

    GPIO.output(17,GPIO.HIGH)

    GPIO.output(21,GPIO.LOW)

    sleep(1)

    GPIO.output(8,GPIO.LOW)
```

```
GPIO.output(17,GPIO.LOW)
```

```
GPIO.output(21,GPIO.HIGH)
```

```
sleep(1)
```