

### Assignment 3

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|---------------------|-----------------|
| Assignment Date     | 15 October 2022 |
| Student Name        | Balaji.R        |
| Student Roll Number | 731619106004    |
| Maximum Marks       | 2 Marks         |

Python code for blinking LED

```
import RPi.GPIO as GPIO
import time
LED=17
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(LED, GPIO.OUT)
while True:

    GPIO.output(LED,GPIO.HIGH)
    time.sleep(3)
    GPIO.output(LED,GPIO.LOW)
    time.sleep(3)
```

Python code for Traffic lights

```
import RPi.GPIO as GPIO
import time Red=11
Yellow=10
Green=9
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(Red, GPIO.OUT)
GPIO.setup(Yellow, GPIO.OUT)
GPIO.setup(Green, GPIO.OUT)
while True:
    GPIO.output(Red,False)
    GPIO.output(Yellow,False)
    GPIO.output(Green,False)

    GPIO.output(Red,True)
    time.sleep(5)
    GPIO.output(Red,False)
    GPIO.output(Yellow,True)
    time.sleep(5)
    GPIO.output(Yellow,False)
    GPIO.output(Green,True)
    time.sleep(5)
    GPIO.output(Green,False)
```