Assignment 3

```
1    import  Rpi . GPIO
2    import  time
3
4    try:
5       def lightTraffic(led1, led2, led3, delay ):
6          GPIO.output (led1, 1)
7          tine.sleep(delay)
8          GPIO.output (led1, 0)
9          GPIO.output (led2, 1)
10         time.sleep(delay)
11         GPIO.output (led2, 0)
12         GPIO.output (led3, 1)
13         time.sleep(delay)
14         GPIO.output (led3, 0)
15       GPIO.setmode (GPIO.BCM)
16       button = 19
17       GPIO.setup(button, GPIO. IN, pull_up_down-GPI
18       ledGreen = 16
19       ledYellow 12
20       ledRed = 23
21       GPIO.setup(ledGreen, GPIO.OUT)
22       GPIO.setup(ledYellow, GPIO.OUT)
23       GPIO.setup(ledRed, GPIO.OUT) while True:
24        while   true :
25           input_state= GPIO. input (button)
26           if input_state == False:
27             print('Button Pressed')
28             light Traffic(ledGreen, ledYellow, ledred)
29          else
30            GPIO.output (ledGreen, 0)
31            GPIO.output (ledYellow, 0)
32            GPIO.output (ledRed, 0)
33         GPIO.cleanup()
```