

ASSIGNMENT -3

Write python code for blinking LED and Traffic lights for Raspberry pi.

PYTHON CODE

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BCM)
red=7
yellow=11
green=13
GPIO.setup(red, GPIO.OUT)
GPIO.setup(yellow, GPIO.OUT)
GPIO.setup(green, GPIO.OUT)
while True:
    GPIO.output(red, True)
    sleep(3)
    GPIO.output(red, False)
    GPIO.output(yellow, True)
    sleep(1)
    GPIO.output(yellow, False)
    GPIO.output(green, True)
    sleep(3)
    GPIO.output(green, False)
GPIO.cleanup()
```

INPUT

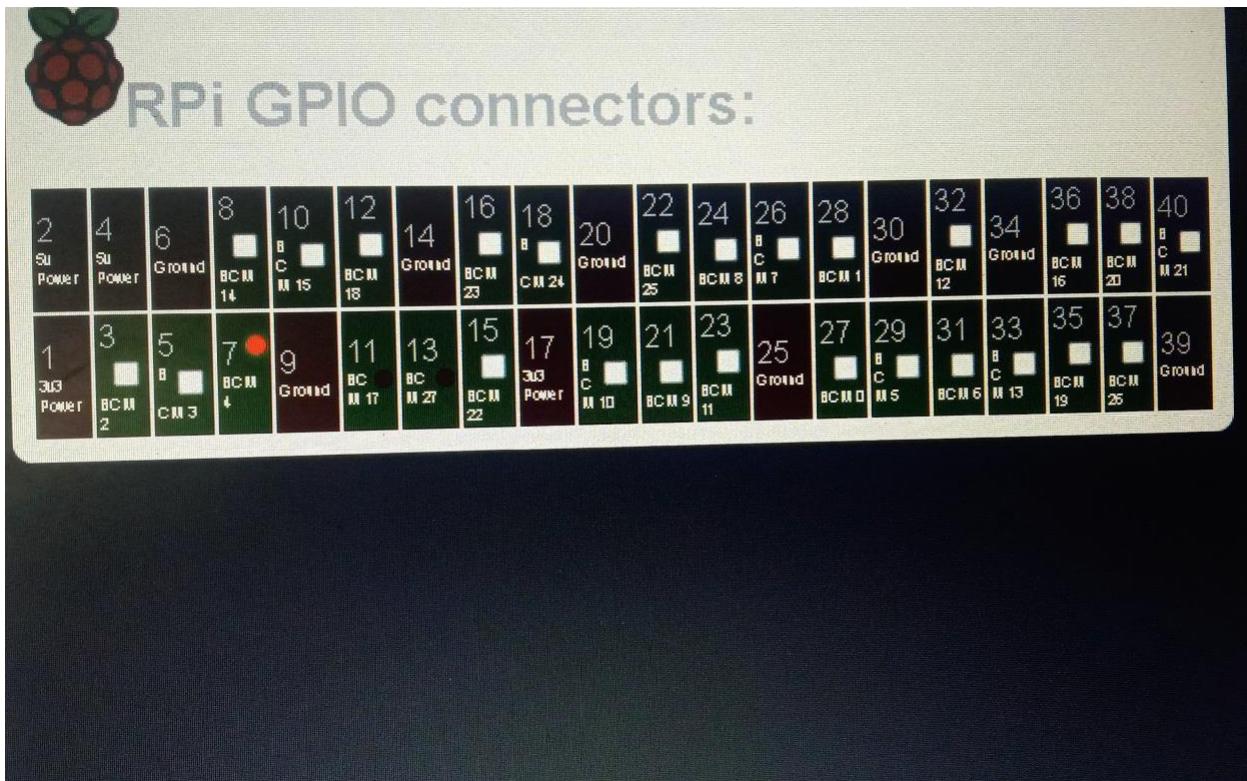
```
mycode.py +  
1 # import raspberry pi GPIO module  
2 import RPi.GPIO as GPIO  
3 from time import sleep  
4  
5 GPIO.setmode(GPIO.BARD)  
6  
7 red=7  
8 yellow=11  
9 green=13  
10  
11 GPIO.setup(red,GPIO.OUT)  
12 GPIO.setup(yellow,GPIO.OUT)  
13 GPIO.setup(green,GPIO.OUT)  
14  
15 while True:  
16     GPIO.output(red, True)  
17     sleep(3)  
18     GPIO.output(red, False)  
19     GPIO.output(yellow, True)  
20     sleep(1)  
21     GPIO.output(yellow, False)  
22     GPIO.output(green, True)  
23     sleep(3)  
24     GPIO.output(green, False)  
25     GPIO.cleanup()  
26  
27
```

OUTPUT

Red=7

Yellow=11

Green=13



TEAM LEADER: D.Siva Sankar

TEAM MEMBER 1: R.Gokul

TEAM MEMBER 2: S.Jeevanantham

TEAM MEMBER 3: N.Logeshkumar

MENTOR: Baradwaj IL

