

Assignment -3
Python Programming

Assignment Date	06 October 2022
Student Name	PRASANTH S
Student Roll Number	720819106080
Maximum Marks	2 Marks

Question:

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

Solution:

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BOARD)
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  (H)
1  # import raspberry pi GPIO module
2  import RPi.GPIO as GPIO
3  from time import sleep
4
5  GPIO.setmode(GPIO.BOARD)
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

