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. 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

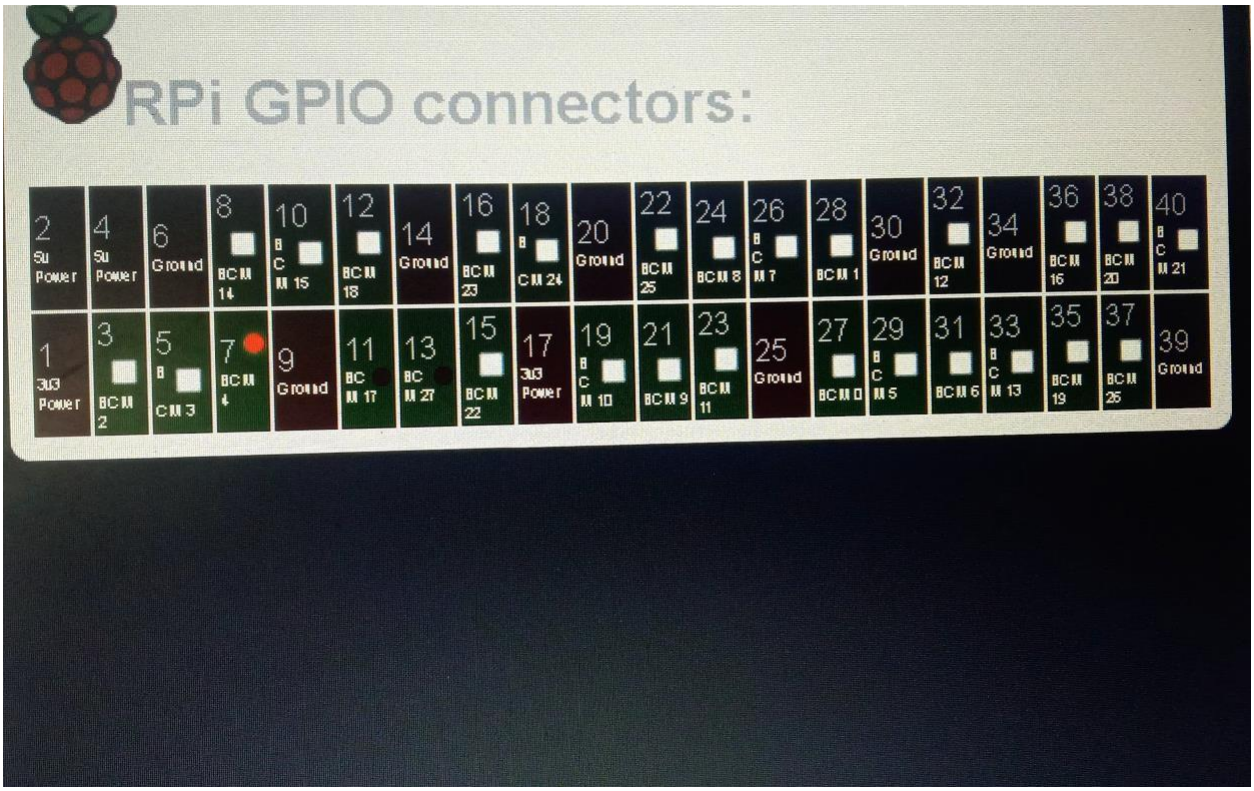
```
1  # import raspberry pi GPIO module
2  import RPi.GPIO as GPIO
3  from time import sleep
4
5  GPIO.setmode(GPIO.BOARD)
6
7  red=7
8  yellow=11
9  green=13
10
11 GPIO.setup(red,GPIO.OUT)
12 GPIO.setup(yellow,GPIO.OUT)
13 GPIO.setup(green,GPIO.OUT)
14
15 while True:
16   GPIO.output(red, True)
17   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
```

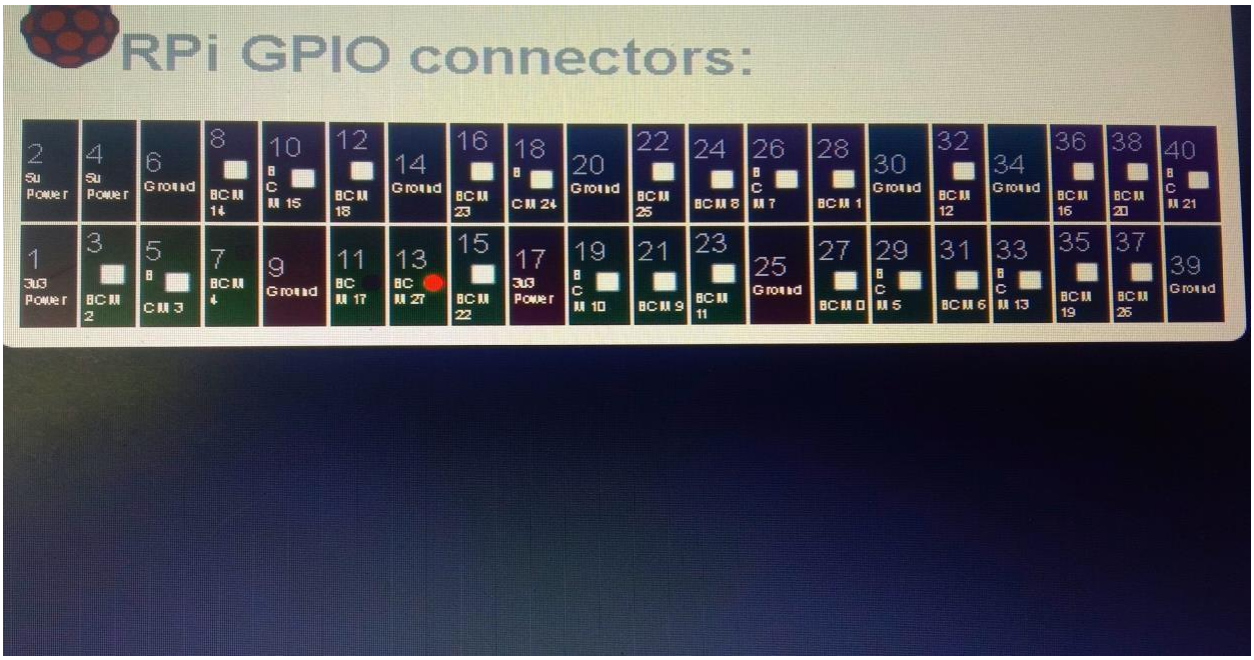
OUTPUT

Red=7

Yellow=11

Green=13





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