

### **Assignment 3**

**Assignment Date:**19September2022

**Student Name :** Lokesh D

**Student Rollno:**622419104701

**Maximum Marks:**2Marks

**Project Name :**IoT basedsafetygadgetforchild  
safetymonitoringnotification

**Writepythoncodeforblinking LEDandTrafficlights**

**forRaspberrypi.PYTHONCODE**

```
importRPi.GPIOasGPIOfr
omtimeimport sleep
GPIO.setmode(GPIO.BOARD)
red=7yello
w=11gree
n=13
GPIO setup(red, GPIO.
OUT)GPIOsetup(yellow,GPIO.
OUT)GPIO setup(green, GPIO.
OUT)whileTrue:
    GPIO.output(red,
    True)sleep(3)GPIO.out
    put(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
```

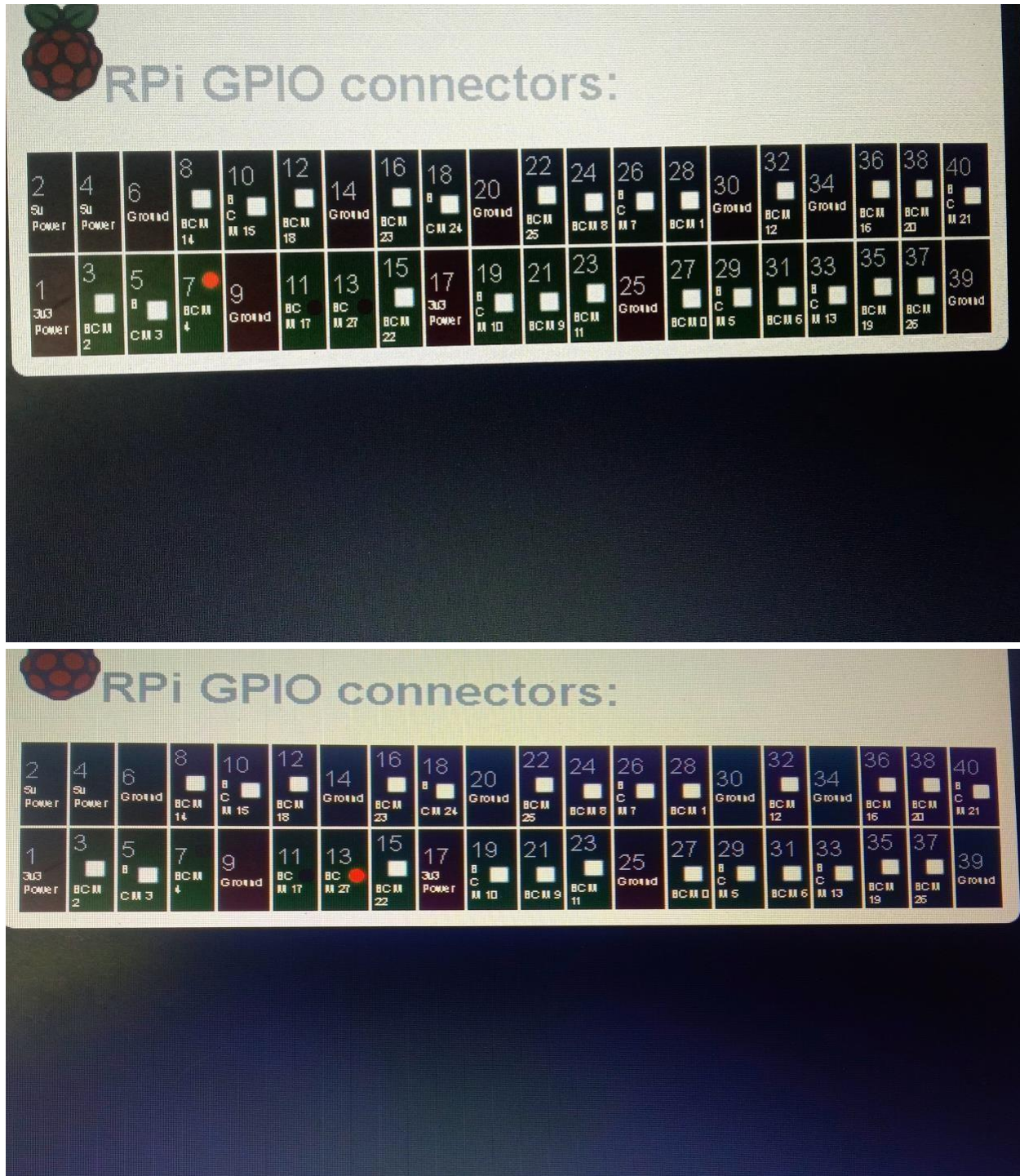


## OUTPUT

Red=7Yel

low=11Gr

cen=13



**TEAM LEADER:**Dharani B

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- HarishKumar U
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