# Assignment 3

**Assignment Date :** 19 September 2022

**Student Name :** Harish kumar U

**Student Roll No :** 622419104017

**Maximum Marks :** 2 Marks

**Project Name :** IoT based safety gadget for child
safety monitoring notification

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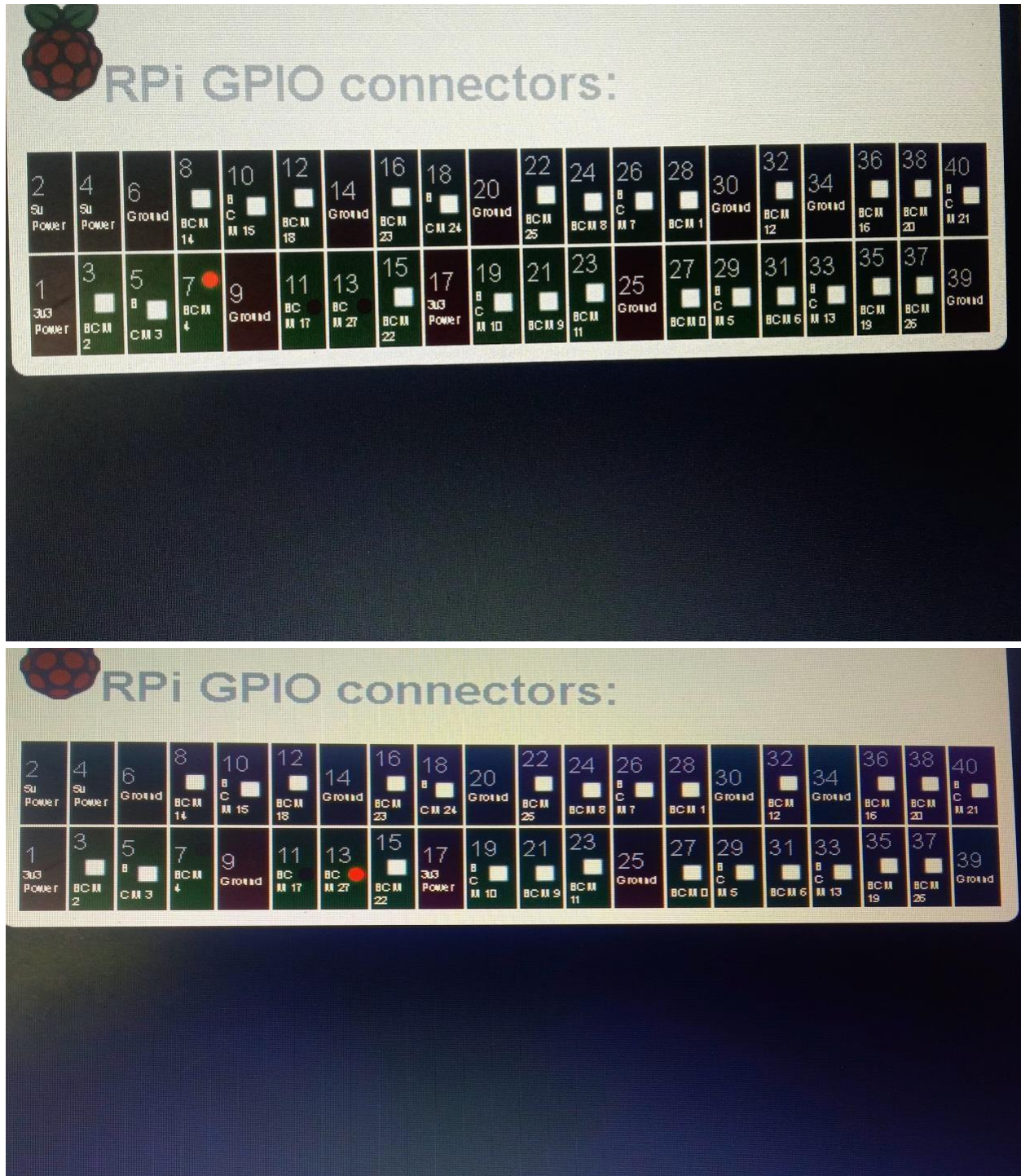
**PYTHON CODE**

```python
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**

```python
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

**TEAM LEADER:** Dharani B

**TEAM MEMBERS:**

- Amarnath L

- Harish Kumar U

- Kathiravan R

**TEAM  ID :  PNT2022TMID41842**

**TEAM SIZE : 4**