

Assignment 3

Assignment Date : 19 September 2022

Student Name : Dharani B

Student Roll No : 622419104013

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

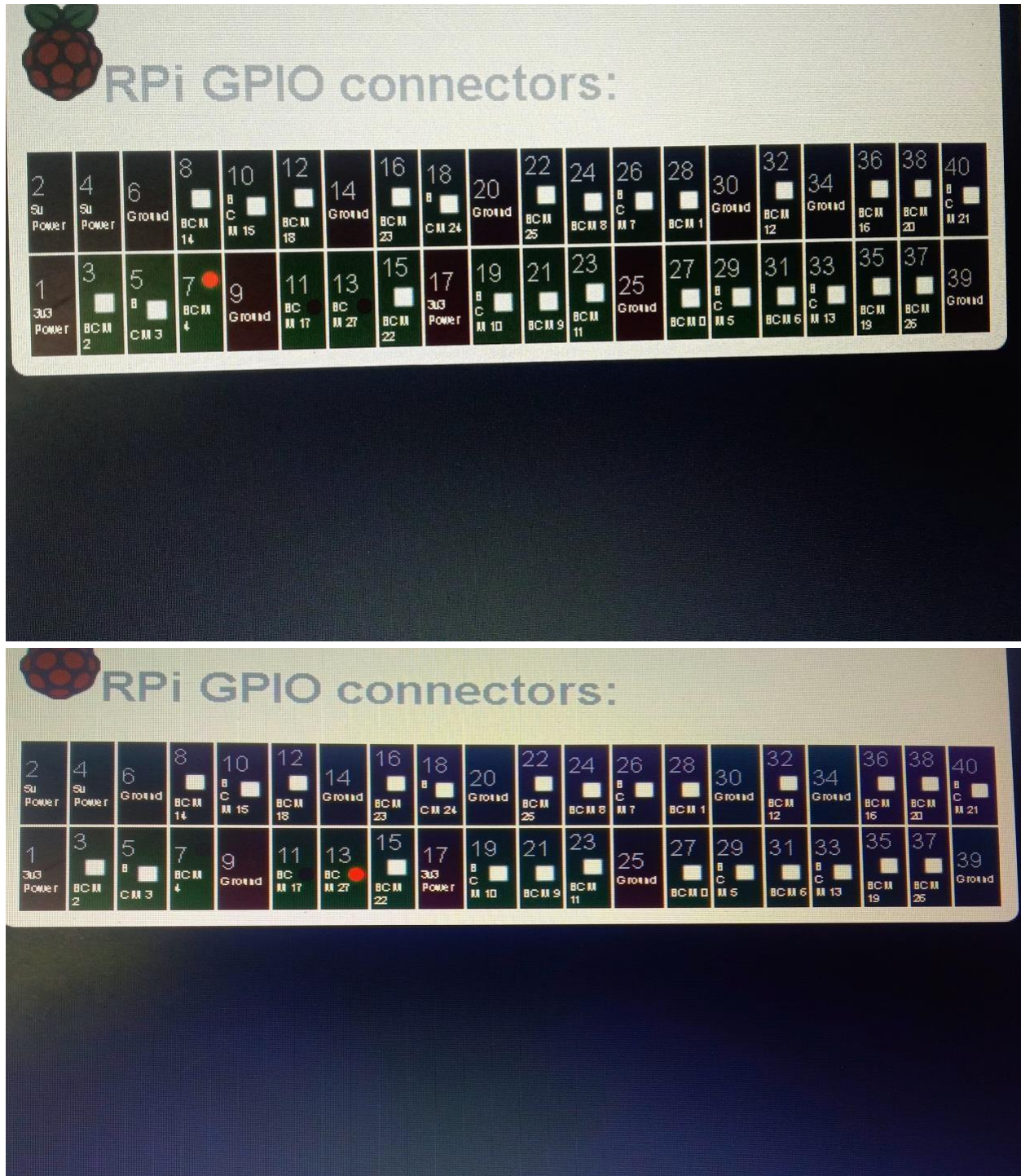
```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BOARD)
red=7
yellow=11
green=13
GPIO.setup(red, GPIO.OUT)
GPIO.setup(yellow, GPIO.OUT)
GPIO.setup(green, GPIO.OUT)
while True:
    GPIO.output(red, True)
    sleep(3)
    GPIO.output(red, False)
    GPIO.output(yellow, True)
    sleep(1)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



TEAM LEADER: Dharani B

TEAM MEMBERS:

- Amarnath L
- Harish Kumar U
- Kathiravan R

TEAM ID : PNT2022TMID41842

TEAM SIZE : 4