Assignment 3

Assignment Date:19September2022

Student Name : Lokesh D

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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

```python
# import raspberry pi GPIO module
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()
```
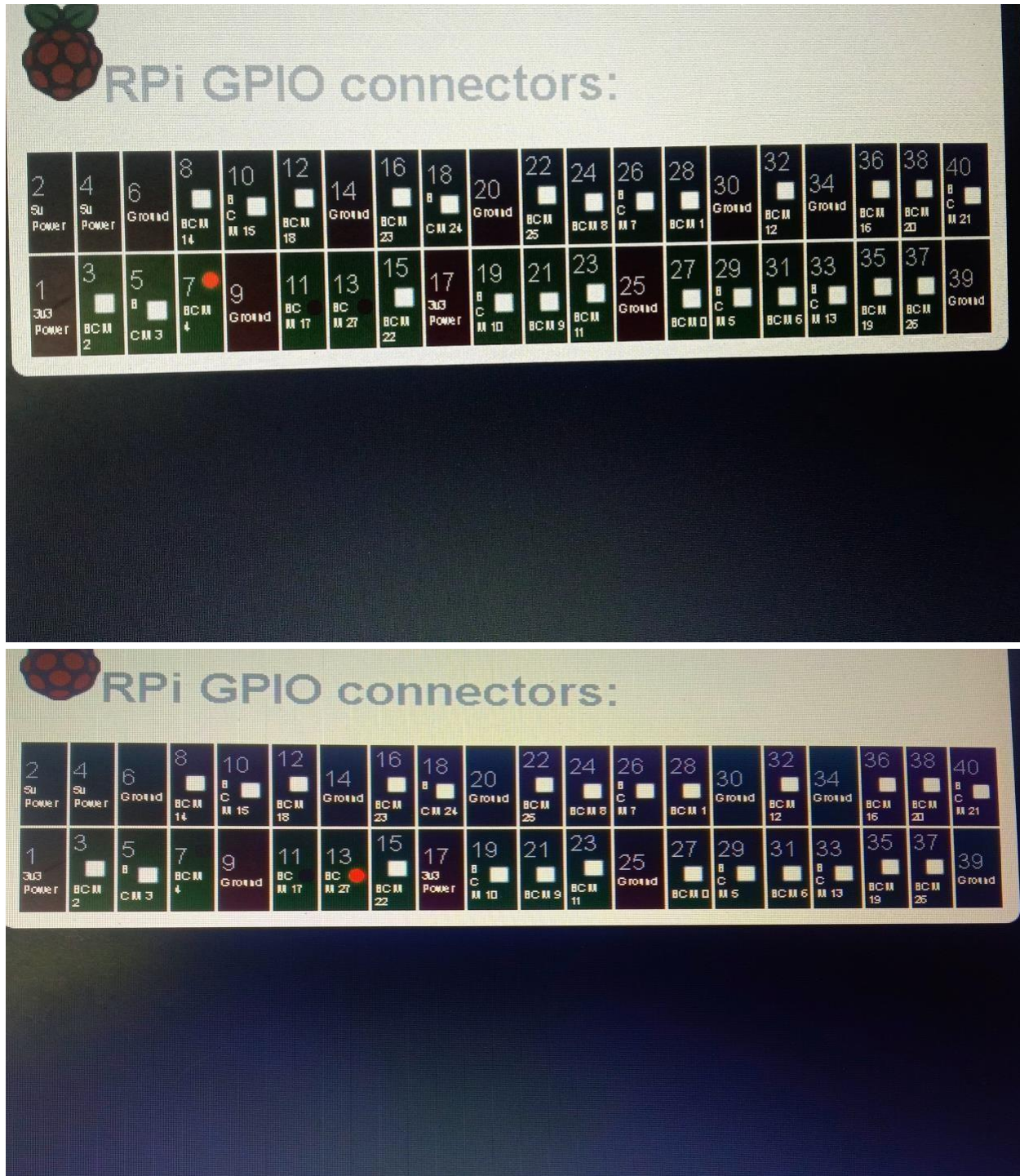
OUTPUT

Red=7Yel

low=11Gr

een=13

TEAM LEADER: Dharani B

TEAM MEMBERS:

- AmarnathAmarnath L

- HarishKumar U

- Kathiravan R

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