# **Assignment -3**

# Python Programming

Assignment Date	12 October 2022
Student Name	ASHWIN KUMAR R
Student Roll Number	1914402
Maximum Marks	2 Marks

### Question-1:

Write a python code for blinking LED and Traffic lights for Raspberry Pi.

### Solution:

## **PYTHON CODE:**

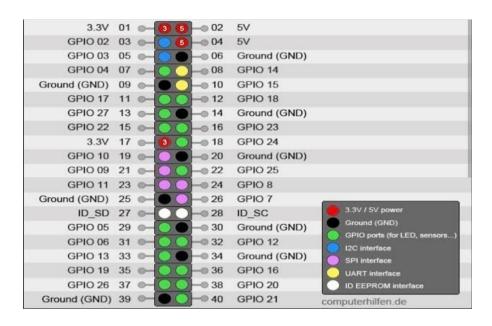
from gpiozero import Button, TrafficLights,

Buzzer from time import sleep

```
buzzer=Buzzer(15)
button=Button(21)
lights=TrafficLights(25,8,7)
while True:
    button.wait_for_press
    () buzzer.on()
    light.red.on()
    sleep(1)
    lights.amber.on(
    ) sleep(1)
    lights.green.on()
    sleep(1)
```

buzzer.off()

#### **GPIO PIN DIAGRAM**



#### **GPIO PINS USED:**

- GP 21-BUTTON
- GP 15-BUZZER
- GP 25- RED LED
- GP 8- YELLOW LED
- GP 7- GREEN LED