# Assignment -3

# **Python Programming**

Assignment Date	19 September 2022
Student Name	MOULIKRISHNAN S R
Student Roll Number	73771914138
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)
```

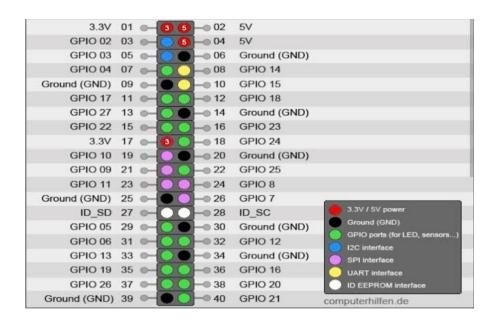
### while True:

```
button.wait_for_press(
) buzzer.on()
light.red.on() sleep(1)
lights.amber.on()
sleep(1)
lights.green.on()
sleep(1)
```

**PIN DIAGRAM** 

buzzer.off() **GPIO** 

lights.off()



### **GPIO PINS USED:**

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