## Assignment -3

# **Python Programming**

Assignment Date	19 September 2022
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Maximum Marks	2 Marks

### Question-1:

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

### **Solution:**

```
from gpiozero import Button, TrafficLights, Buzzer from time import sleep
```

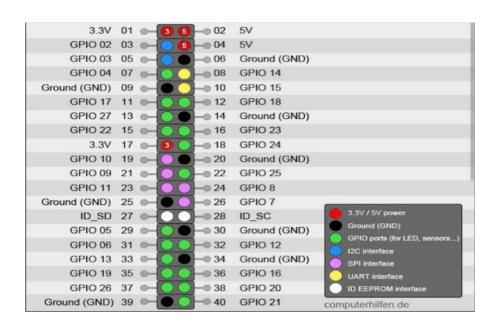
```
buzzer=Buzzer(15)
button=Button(21)
lights=TrafficLights(25,8,7)
```

#### while True:

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

### **Output:**

buzzer.off()



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

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