## Assignment -3

## **Python Programming**

Assignment Date	19 September 2022
Student Name	KAVIYA D
Student Roll Number	917719C042
Maximum Marks	2 Marks

## Question-1:

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

### **Solution:**

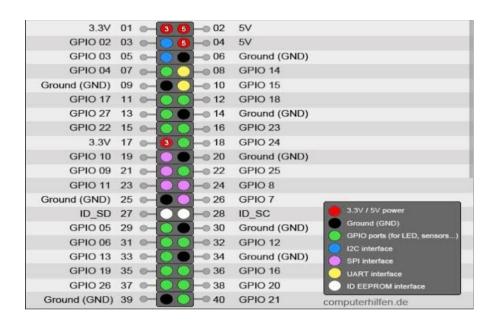
```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep

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

## while True:

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

# **Output:**



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

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