## Assignment -3

## **Python Programming**

Assignment Date	19 September 2022
Student Name	KALAISELVI S
Student Roll Number	917719C040
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)
```

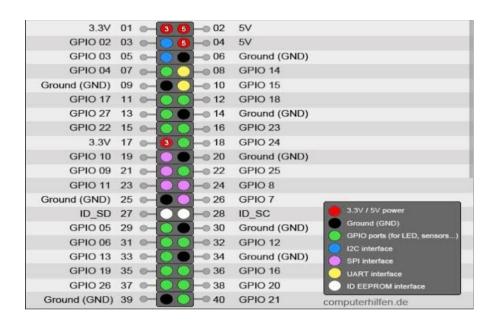
## while True:

lights=TrafficLights(25,8,7)

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

buzzer.off()

# **Output:**



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

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