Assignment -3

Python Programming

| Assignment Date | 19 September 2022 |
|---------------------|-------------------|
| Student Name | LAVANYA R |
| Student Roll Number | 917719C048 |
| Maximum Marks | 2 Marks |

Question-1:

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

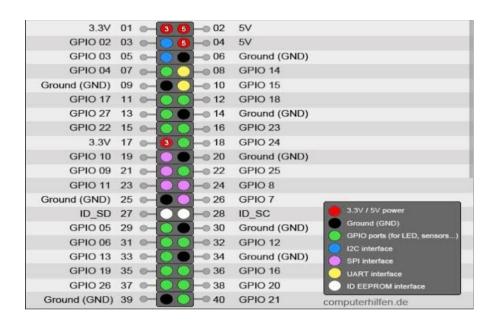
Solution:

```
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)
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