Assignment -3
Python Programming

Assignment Date	12 October 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:

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)

        lights.off()

        buzzer.off()
```
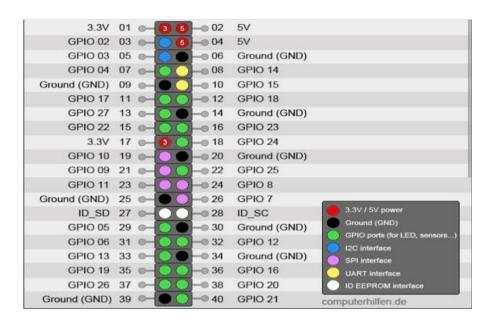
GPIO PIN DIAGRAM

GPIO PINS USED:

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