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:

PYTHON CODE:

 $from\ gpiozero\ import\ Button,\ Traffic Lights,\ Buzzer$

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)

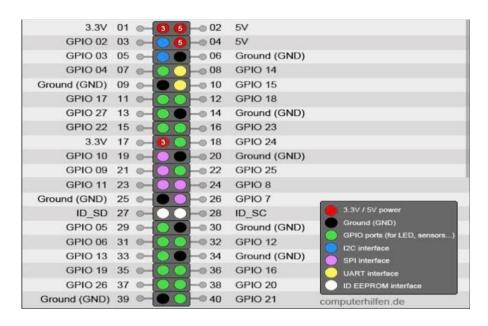
lights.green.on()

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