# Assignment -3 Python

# **Programming**

Assignment Date	19 September 2022
Student Name	NAREASH KUMAR K C
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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()

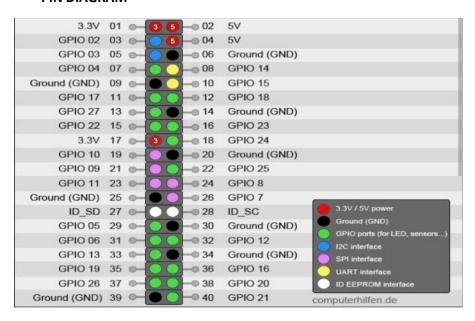
sleep(1)

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