

ASSIGNMENT 3

Python Programming

Assignment Date	19 September 2022
Student Name	ASHOKKUMAR P
Student Roll Number	917719C120
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:

    button.wait_for_pr
    ess()buzzer.on()
    light.red.on()
    sleep(1)
    lights.amber.
    on()sleep(1)
    lights.green.o
    n() sleep(1)
    lights.off()
    buzzer.off()
```

Output:



GPIO PINS USED:

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