

**Assignment -3**  
PYTHON CODE

Assignment Date	05 October 2022
Student Name	Mr. N.MANJUNATH
Student Roll Number	AC19UIT054
Maximum Marks	2 Marks

**Question-1:**

Write python code for blinking LED traffic lights for raspberry pi.

**CODE:**

```
from gpiozero import Button,LED,TrafficLights,Buzzer
from time import sleep
button = Button(21)
lights = TrafficLights(25, 8, 7)
buzzer = Buzzer(15)
while True:
    button.wait_for_press()
    lights.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
while True:
    lights.on()
    buzzer.off()
    button.wait_for_press()
    lights.off()
    buzzer.on()
    button.wait_for_release()
```

```
while True:  
    lights.blink()  
    buzzer.beep()  
    button.wait_for_press()  
    lights.off()  
    buzzer.off()  
    button.wait_for_release()
```