

**Assignment -3**  
Python Programming

Assignment Date	03 October 2022
Student Name	Mr. YOGESH S
Student Roll Number	813819106120
Maximum Marks	2 Marks

**Question-1:**

Write python code for blinking LED and Traffic lights for raspberry pi

**Solution:**

```
from gpiozero import Button, TrafficLights, Buzzer
#importing Button,Traffilights,Buzzer from gpiozero package
from time import sleep
#importing sleepfrom time package
buzzer = Buzzer(15)
#assigning buzzer to GPIO pin 15
button = Button(21)
#assigning button to GPIO pin 15
lights = TrafficLights(25, 8, 7)
#assigning red led,yellow led,green led to GPIO pin 25,8,7 respectively

while True:
    button.wait_for_press()
    buzzer.on()
    light.red.on()
    light.yellow.off()
    light.green.off()
    sleep(1)
    light.yellow.on()
    light.red.off()
```

light.green.off()

sleep(1)

light.green.on()

light.yellow.off()

light.red.off()

sleep(1)

lights.off()

buzzer.off()