

Assignment -3
Python Programming

Assignment Date	03 October 2022
Student Name	Mr. SANTHOSH KUMAR M
Student Roll Number	813819106090
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()