

Assignment-3

Python Programming – Raspberry pi

Assignment Date	06 October 2022
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STATEMENT:

**Write python code for blinking LED and Traffic lights for Raspberry pi.
(Only python code is enough, no need to execute in raspberry pi)**

PROGRAM:

```
from gpiozero import Button, TrafficLights, Buzzer
from gpiozero import LED
from time import sleep

led = LED(17)
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)

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