

Assignment-3

Python Programming

Assignment Date	07 October 2022
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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()
```