

K.Subhashini

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:

```
import RPi.GPIO as GPIO    # Import Raspberry Pi
GPIO library
from time import sleep     # Import the sleep function
from the time module

GPIO.setwarnings(False)   # Ignore warning for now
GPIO.setmode(GPIO.BOARD)  # Use physical pin
numbering

GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)

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

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)
```

```
    lights.off()
```

```
    buzzer.off()
```

Output:



