

ASSIGNMENT-3

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QUESTION:

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

Note: you are allowed to use web search and complete the assignment.

CODE:

```
from gpiozero import Button, LED
```

```
button=Button(21)
```

```
led=LED(25)
```

```
/*while True:
```

```
button.wait_for_press()
```

```
led.on()
```

```
button.wait_for_release()
```

```
led.off()*/
```

```
while True:
```

```
led.blink()
```

```
button.wait_for_press()
```

```
led.off()
```

```
button.wait_for_release()
```

```
//#
```

```
from gpiozero import Button, TrafficLights
```

```
lights=TrafficLights(25,8,7)
```

```
while True:
```

```
    button.wait_for_press()
```

```
    lights.on()
```

```
    button.wait_for_release()
```

```
    lights.off()
```

```
while True:
```

```
    lights.blink()
```

```
    button.wait_for_press()
```

```
    lights.off()
```

```
    button.wait_for_release()
```

```
from time import sleep
```

```
/*while True:
```

```
    lights.green.on()
```

```
    sleep(1)
```

```
    lights.amber.on()
```

```
    sleep(1)
```

```
    lights.red.on()
```

```
    sleep(1)
```

```
    lights.off()*/
```

```
while True:
```

```
    button.wait_for_press()
```

```
    lights.green.on()
```

```
    sleep(1)
```

```
    lights.amber.on()
```

sleep(1)

lights.red.on()

sleep(1)

lights.off()