

Assignment – 3

Write a python code for blinking LED and Traffic lights for Raspberry pi

```
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\(\)
```

Assignment – 3

```
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\(\)
```