

ASSIGNMENT-3

TEAM CODE: PNT2022TMID00858

CODE:

```
from gpiozero import
```

```
Button, LEDbutton =
```

```
Button(21)
```

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

```
/*while True:
```

```
button.wait_for_press()
```

```
    led.on
```

```
()
```

```
    button.wait_for_rele
```

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

```
while
```

```
    True:
```

```
    led.blin
```

```
    k\(\)
```

```
button.wait_for_pr
```

```
ess() led.off\(\)
```

```
    button.wait_for_release()
```

```
from gpiozero import Button,
```

```
TrafficLightslights =
```

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

```
while True:
```

```
button.wait_for_pr
```

```
ess()
```

```
lights.on\(\)
```

```
button.wait_for release()()
```

```
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\(\)
```