

### Assignment-3

```
from gpiozero import Button
```

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

```
while True:
```

```
    print(button.is_pressed)
```

```
    while True:
```

```
        if button.is_pressed:
```

```
            print("Hello")
```

```
        else:
```

```
            print("Goodbye")
```

```
            while True:
```

```
                button.wait_for_press()
```

```
                print("Pressed")
```

```
                button.wait_for_release()
```

```
                print("Released")
```

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

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

```
while True:
```

```
    button.wait_for_press()
```

```
    led.on()
```

```
    button.wait_for_release()
```

```
    led.off()while True:
```

```
        led.on()
```

```
        button.wait_for_press()
```

```
        led.off()
```

```
        button.wait_for_release()while True:
```

```
            led.blink()
```

```
            button.wait_for_press()
```

```
            led.off()
```

### Assignment-3

```
while True:
    led.on()
    button.wait_for_press()
    led.off()
    button.wait_for_release()
while True:
    led.blink()
    button.wait_for_press()
    led.off()
    button.wait_for_release()
from gpiozero import Button, TrafficLights
from gpiozero import Button, TrafficLights
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 gpiozero import Button, TrafficLights, Buzzer

buzzer = Buzzer(15)
while True:
    lights.on()
    buzzer.off()
    button.wait_for_press()
    lights.off()
    buzzer.on()
```

### Assignment-3

```
button.wait_for_release()

while True:
    lights.blink()
    buzzer.beep()
    button.wait_for_press()
    lights.off()
    buzzer.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()
```