

Industry – Specific Intelligence Fire Management System

Team ID: PNT2022TMID40415

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()
```

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```
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()
```