

ASSIGNMENT – 3  
INDUSTRY-SPECIFIC INTELLIGENT FIRE  
MANAGEMENT SYSTEM

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PROGRAM:

BLINKING LED LIGHT:

```
import RPi.GPIO as GPIO
```

```
from time import sleep
```

```
GPIO.setwarnings(False)
```

```
GPIO.setmode(GPIO.BOARD)
```

```
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
```

```
while True:
```

```
GPIO.output(8, GPIO.HIGH)
```

```
sleep(1)
```

```
GPIO.output(8, GPIO.LOW)
```

```
sleep(1)
```

### TRAFFIC LIGHT:

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

```
from time import sleep
```

```
buzzer = Buzzer(15)
```

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

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

```
while True:
```

```
    button.wait_for_press()
```

```
    buzzer.on()
```

```
    light.green.on()
```

```
    sleep(1)
```

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

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()