ASSIGNMENT -3

PROJECT TITLE: HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT
TEAM LEADER: KAVIYA.V
TEAM MEMBER 1: SANDHIYA DEVI.M
TEAM MEMBER 2: AJISHA.R
TEAM MEMBER3: KARTHIKA.P

1) Traffic light

```
from gpiozero import Button, Traffi Lights, Buzzer

from time import sleep


buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)


while True:

    button.wait_for_press()

    buzzer.on()

    lights.green.on()

    sleep(1)

    lights.amber.on()

    sleep(1)

    lights.red.on()

    sleep(1)

    lights.off()

    buzzer.off()
```

2)blinking 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)
```

```python
while True:
```

```python
GPIO.output(8, GPIO.HIGH)
sleep(1)
GPIO.output(8, GPIO.LOW)
sleep(1)
```