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Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

ASSIGNMENT-3

QUESTION:

Write python code for blinking LED and Traffic lights for Raspberry pi.

CODE:

LED BLINKING CODE:

```
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 CODE:

```
from gpiozero import LED from time import sleepred = LED(22)
yellow = LED(27) green =
LED(17)while True:
    red.on() sleep(15)
    red.off() sleep(1)
    yellow.on()sleep(10)
    yellow.off) sleep(1)
    green.on()sleep(10)
    green.off()sleep(1)
```