# HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANTS POWERED BY IOT

#### SUBMITTED BY

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## **Question:**

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

## CODE 1: <u>LED</u>

#### **BLINKING**

import RPi.GPIO as GP from time import sleep

### CODE 2:

sleep(2)

### TRAFFIC LIGHTS FOR RASPBERRY PI

# Sleep for 2 second

From gpiozero import LED

From time import sleep

Red= LED(17) #pin numbers connected to Led's

Aster=(22) Green=(27)

While True:

Red.on() #RED light

```
Print("Red light is ON") For
I in range(100,0,-1):
Print("Remaining time: ",i)
Sleep(1)
Red.off()
Aster.on() # ASTER light
Print("Yellow light is ON")
For I in range(5,0,-1):
Print("Remaining time: ",i)
Sleep(1)
Aster.off()
Green.on #GREEN light
Print("Green light is ON")
For I in range(30,0,-1):
Print("Remaining time: ",i)
Sleep(1)
Green.off()
```