Team ID	PNT2022TMID28572
Name	Praveen. M
Student Roll Number	312819106028
Project Name	Hazardous Area Monitoring for Industrial Plant
	powered by IoT

## **ASSIGNMENT-2**

## **QUESTION**

Build a python code, Assume u get temperature and humidity values(generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

## CODE:

```
import random
from time import sleep
while True:
  sleep(5)
  temperature = random.randrange(0, 200, 3)
  print("\nCurrent Temperature =",temperature,end="°C\n")
  humidity = random.randrange(0, 100, 6)
  print("Current Humidity =",humidity,end="%\n\n")
  if temperature >=38:
    print("Temperature >> High - Alarm ON")
  if humidity >= 75:
    print("Humidity >> High - Alarm ON")
  if temperature <=38:
    print("Temperature >> Low - Alarm OFF")
  if humidity <= 75:
    print("Humidity >> Low - Alarm OFF")
```

## **OUTPUT**

