## **ASSIGNMENT 2**

Team ID: PNT2022TMID52298

Project Name: Gas Leakage monitoring & Alerting system for Industries

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

## **Solution Code:**

from numpy import random

```
a = random.randint(100)
b = random.randint(100)
def environment(x,y):
  if(x > = 80):
     print("temperature is high.")
     print("temperature= ",x)
  elif(y>=60):
     print("humidity is high.")
     print("humidity= ",y)
  elif(x<=40)&(y<=30):
     print("temperature and humidity is low.")
     print("temperature= ",x,"humidity= ",y)
  else:
     print("good environment condition.")
     print("temperature= ",x)
     print("humidity= ",y)
environment(a,b)
```

## **OUTPUT:**

