IBM ASSIGNMENT – 2

Python Programming

Team ID	PNT2022TMID50840
Project Name	Gas leakage monitoring and alerting system

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
def temperature():
    value=random.randint(25,100)
    return value
t=temperature()
t=int(input("Enter the temperature value: "))

def humidity():
    range=random.randint(40,100)
    return range
h=humidity()
```

```
h=int(input("Enter the humidity value: "))

#for temperature
if(t>30):
    print("High temperature is detected")
    print("Buzzer on,alarm sound is high")
elif(t==30):
    print("Temperature reached maximum")
else:
    print("Temperature is good")

#for humidity
if(h>65):
    print("High Humidity is detected")
    print("Buzzer on,alarm sound is high")
elif(h==65):
    print("Humidity reached maximum")
else:
    print("Humidity is good")
```

PROGRAM:

OUTPUT: