

IBM PROJECT – REAL TIME WATER QUALITY MONITORING AND MANAGEMENT SYSTEM

ASSIGNMENT 2

PROBLEM STATEMENT:

Build a Python code, Assume you 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
threshold_temperature=70
threshold_humidity=20
while True:
    temperature=random.randint(1,100)
    humidity=random.randint(1,50)
    print(humidity)
    print(temperature)
    if(temperature>threshold_temperature or humidity>threshold_humidity):
        print("HIGH TEMPERATURE & ALARM TRIGGERS")
    elif(humidity<threshold_humidity or temperature>threshold_temperature):
        print("LOW TEMPERATURE &ALARM TURNS OFF")
    else:
        print("NORMAL TEMPERATURE & ALARM TURNS OFF")
```