

## Assignment -2

### IoT-Based Industry - Real-Time River Water Quality

#### Monitoring and Control System

#### Python Programming

|                     |                   |
|---------------------|-------------------|
| Assignment Date     | 13 October,2022   |
| Student Name        | Mahesh Krishnan Y |
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| Maximum Marks       | 2 Marks           |

#### Problem statement:

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.

#### **Solution:**

#### **Python code:**

```
import random
import time
while (1):
    temp= random.randint(0, 100)
    humi= random.randint(0, 100)
    thresht=40
    threshh=35
    if temp>thresht :
        print("ALERT!!! Detected temperature is: "+str(temp)+"°C")
    if humi> threshh :
        print("ALERT!!! Detected Humidity is: "+str(humi))
    time.sleep(1)
```