Assignment -2

lo T-Based Industry - Real-Time River Water Quality Monitoring and Control System

Python Programming

Assignment Date	22 September,2022
Student Name	SWETHA R
Student Roll Number	814719106061
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))
```

Output:

```
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)
Ln: 19 Col: 0
```