ASSIGNMENT – 2

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Project Name	Real-Time River Water Quality Monitoring and Control System
Marks	2marks

Assignment Question:

Built 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.

Python code:

```python
import random
import time
while (1):
    temp = random.randint(0, 100)
    humidity = random.randint(0, 100)
    print ("The temperature is: "+ str(temp) + "°C")
    print ("The humidity is: ",humidity)
    if temp>65:
        print("ALERT!! Detected")
        time.sleep(3)
    else:
        print("All Good")
```

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import random
import time

while (1):
    temp = random.randint(0, 100)
    humidity = random.randint(0, 100)
    print ("The temperature is: "+ str(temp) + "°C")
    print ("The humidity is: ",humidity)
    if temp>65:
        print("ALERT!! Detected")
        time.sleep(3)
    else:
        print("All Good")
```

OUTPUT:

```
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 17:00:18) [MSC v.1900 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
================== RESTART: C:/Python/Python36/surendran.py ==================
The temperature is: 13°C
The humidity is:  92
All Good
The temperature is: 31°C
The humidity is:  47
All Good
The temperature is: 79°C
The humidity is:  53
ALERT!! Detected
The temperature is: 83°C
The humidity is:  85
ALERT!! Detected
```