

ASSIGNMENT 2

Date	24 September 2022
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Project Name	RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
Maximum Marks	2 Marks

QUESTION:

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 temprature

PROGRAM:

```
import random

while(True):

    a=random.randint(10,100)

    b=random.randint(10,100)

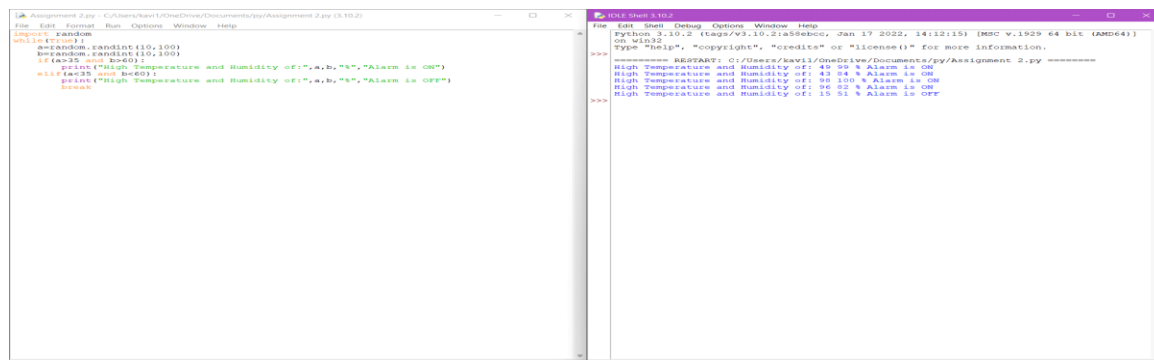
    if(a>35 and b>60):

        print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")

    elif(a<35 and b<60):

        print("High Temperature and Humidity of:",a,b,"%","Alarm is OFF")

    break
```



The screenshot shows a Python IDE with two windows. The left window displays the code from the previous block. The right window shows the output of the program, which is a continuous loop of random values for temperature (a) and humidity (b), along with the corresponding alarm status (ON or OFF).

```
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:1a5822f, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)]
>>>
===== RESTART: C:/Users/kavil/OneDrive/Documents/py/Assignment 2.py =====
High Temperature and Humidity of: 49 94 % Alarm is ON
High Temperature and Humidity of: 43 84 % Alarm is ON
High Temperature and Humidity of: 90 100 % Alarm is ON
High Temperature and Humidity of: 96 82 % Alarm is ON
High Temperature and Humidity of: 10 51 % Alarm is OFF
>>>
```

