

## ASSIGNMENT 2

Date	24 September 2022
Team ID	PNT2022TMID47600
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Project Name	Project – Real-Time River Water Quality Monitoring and Control System
Maximum Marks	2 Marks

### PROGRAM

```
import random

while(True):

    a=random.randint(10,100)

    b=random.randint(10,100)

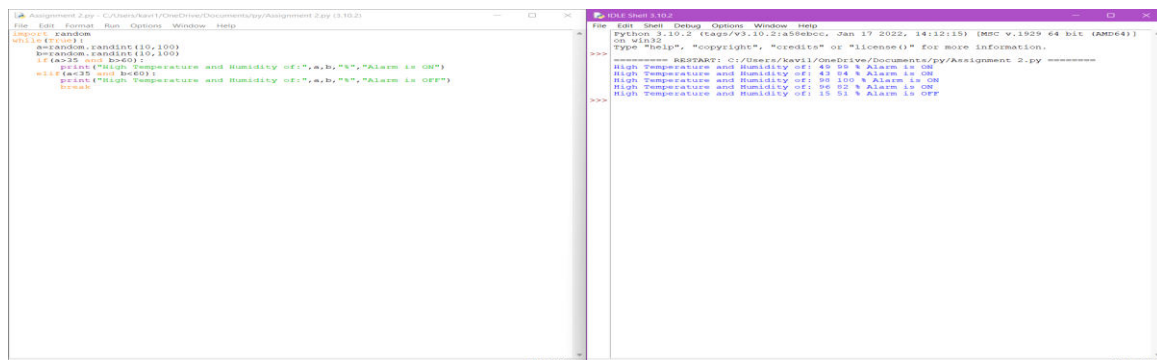
    if(a>35 and b>60):

        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 panes. The left pane contains the code from the previous block. The right pane shows the output of the program, which is a series of five lines of text, each representing a random sample of temperature and humidity values and the resulting alarm status.

```
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:5a586bce, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)]
>>>
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Navil/OneDrive/Documents/py/Assignment 2.py =====
High Temperature and Humidity of: 49 55 % Alarm is ON
High Temperature and Humidity of: 43 64 % Alarm is ON
High Temperature and Humidity of: 99 100 % Alarm is ON
High Temperature and Humidity of: 99 92 % Alarm is ON
High Temperature and Humidity of: 15 51 % Alarm is OFF
>>>
```