

Assignment - 2

Python Code

Assignment Date	25 September 2022
Student Name	Mr. Tatapraavin
Student Roll Number	910819106006
Maximum Marks	2 Marks

Question-1:

Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.

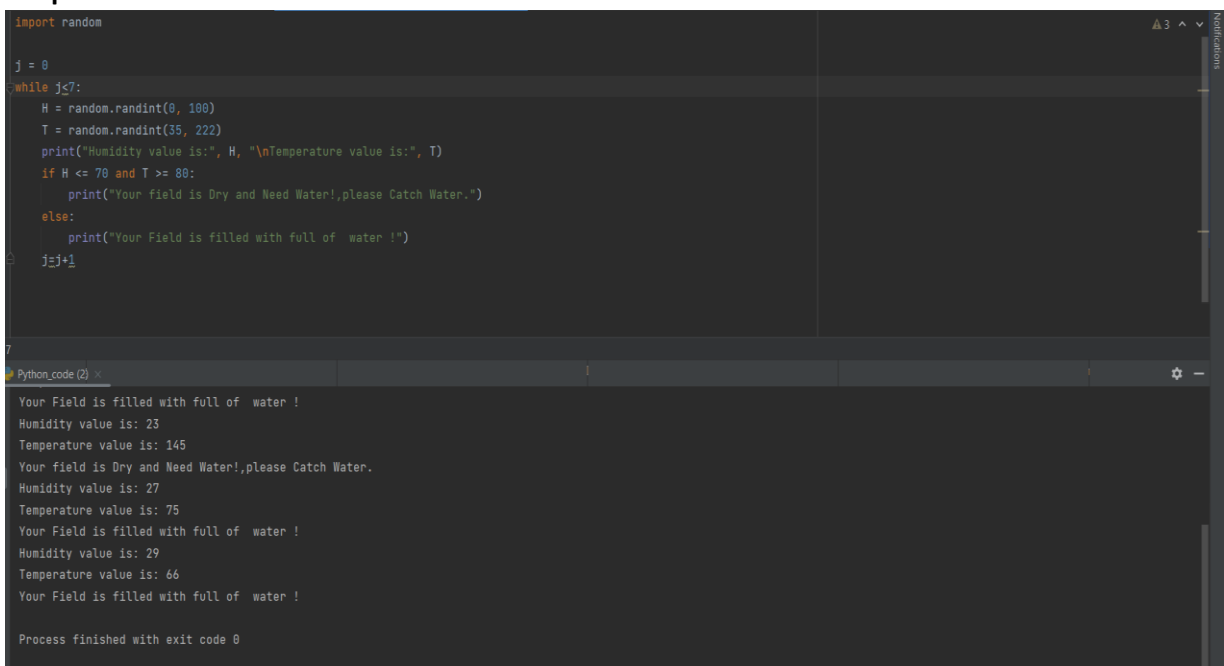
Solution:

Code:

```
import random

j = 0
while j<7:
    H = random.randint(0, 100)
    T = random.randint(35, 222)
    print("Humidity value is:", H, "\nTemperature value is:", T)
    if H <= 70 and T >= 80:
        print("Your field is Dry and Need Water!,please Catch Water.")
    else:
        print("Your Field is filled with full of water !")
    j=j+1
```

Output:

The screenshot shows a Python IDE with a dark theme. The top pane contains the Python code from the solution. The bottom pane shows the output of the code, which consists of several lines of text: 'Your Field is filled with full of water !', 'Humidity value is: 23', 'Temperature value is: 145', 'Your field is Dry and Need Water!,please Catch Water.', 'Humidity value is: 27', 'Temperature value is: 75', 'Your Field is filled with full of water !', 'Humidity value is: 29', 'Temperature value is: 66', 'Your Field is filled with full of water !', and 'Process finished with exit code 0'. The IDE interface includes a file explorer on the left, a terminal at the bottom, and a notification area on the right.

```
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j = 0
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    else:
        print("Your Field is filled with full of water !")
    j=j+1
```

```
Your Field is filled with full of water !
Humidity value is: 23
Temperature value is: 145
Your field is Dry and Need Water!,please Catch Water.
Humidity value is: 27
Temperature value is: 75
Your Field is filled with full of water !
Humidity value is: 29
Temperature value is: 66
Your Field is filled with full of water !
Process finished with exit code 0
```