ASSIGNMENT-2

Team Members:

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Question-1:

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.

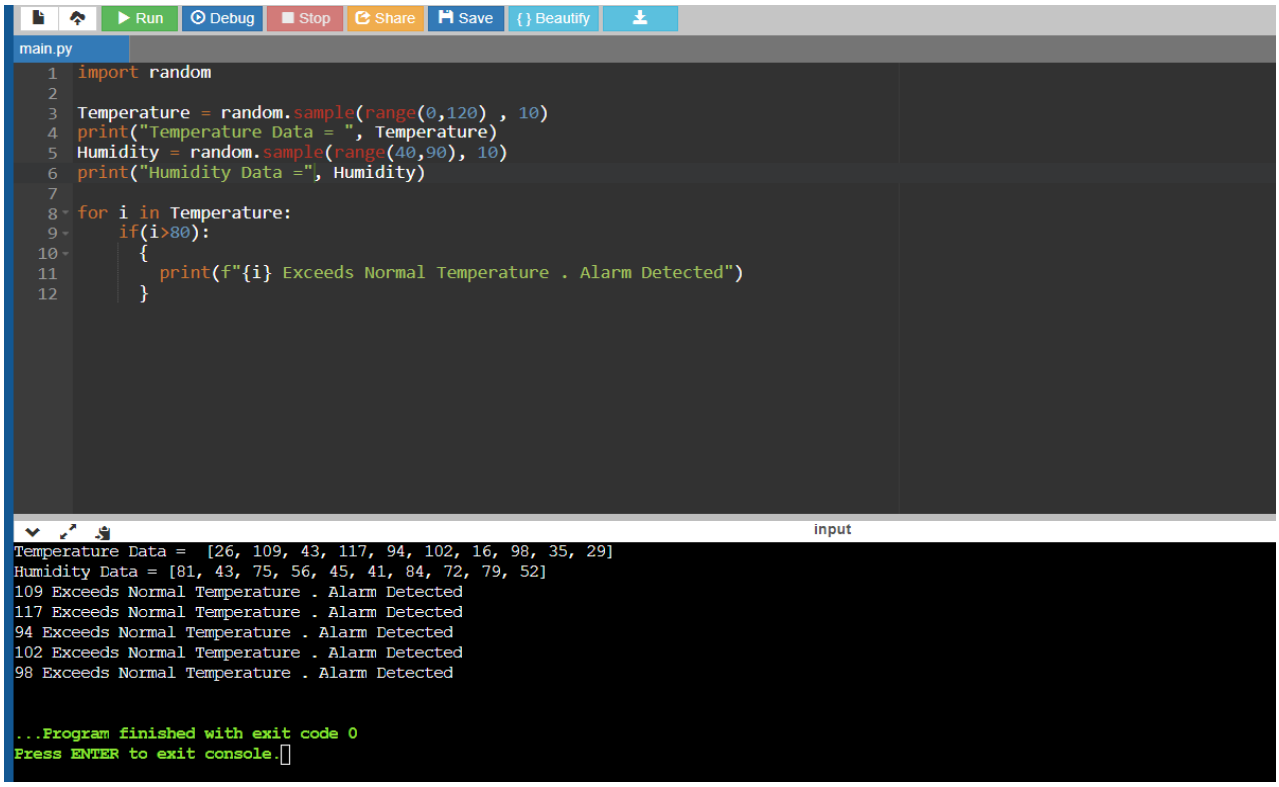
Solution:

```
import random


Temperature = random.sample(range(0,120) , 10)
print("Temperature Data = ", Temperature)
Humidity = random.sample(range(40,90), 10)
print("Humidity Data =", Humidity)


for i in Temperature:
   if(i>80):
     {
       print(f"{i} Exceeds Normal Temperature . Alarm Detected")
     }
```

Output:


Run
Debug
Stop
Share
Save
{ } Beautify
main.py
import random
Temperature = random.sample(range(0,120) , 10)
print("Temperature Data = ", Temperature)
Humidity = random.sample(range(40,90), 10)
print("Humidity Data =", Humidity)
for i in Temperature:
if(i>80):
{
print(f"{i} Exceeds Normal Temperature . Alarm Detected")
}
input
Temperature Data = [26, 109, 43, 117, 94, 102, 16, 98, 35, 29]
Humidity Data = [81, 43, 75, 56, 45, 41, 84, 72, 79, 52]
109 Exceeds Normal Temperature . Alarm Detected
117 Exceeds Normal Temperature . Alarm Detected
94 Exceeds Normal Temperature . Alarm Detected
102 Exceeds Normal Temperature . Alarm Detected
98 Exceeds Normal Temperature . Alarm Detected
...Program finished with exit code 0
Press ENTER to exit console.