Assignment 2

Temperature and Humidity sensing alarm using python

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CODE:

```
import random
while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>45 and b>60):
        print("High Temperature and humidity of:",a,b,"%","Alarm is ON")
    elif(a<45 and b<60):
        print("High Temperature and humidity of:", a, b, "%", "Alarm is OFF")
        break</pre>
```

OUTPUT:

```
PROBLEMS OUTPUT
                                       DEBUG CONSOLE
                                                                     TERMINAL
                                                                                          JUPYTER
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\home> & C:\Users/home/AppData/Local/Microsoft/WindowsApps/PythonSoftwareFourtion.Python.3.10_qbz5n2kfra8p0/python.exe c:\Users/home/Documents/python/assignment2.py
High Temperature and humidity of: 65 94 % Alarm is ON
High Temperature and humidity of: 72 64 % Alarm is ON
High Temperature and humidity of: 56 80 % Alarm is ON
High Temperature and humidity of: 78 63 % Alarm is ON
High Temperature and humidity of: 14 30 % Alarm is OFF
PS C:\Users\home> & C:\Users/home/AppData/Local/Microsoft/WindowsApps/PythonSoftwareFourtion.Python.3.10_qbz5n2kfra8p0/python.exe c:\Users/home/Documents/python/assignment2.py
High Temperature and humidity of: 13 27 % Alarm is OFF
PS C:\Users\home> & C:\Users\home/AppData/Local/Microsoft/WindowsApps/PythonSoftwareFourtion.Python.3.10_qbz5n2kfra8p0/python.exe c:\Users\home/Documents/python/assignment2.py
High Temperature and humidity of: 37 37 % Alarm is OFF
PS C:\Users\home> & C:/Users/home/AppData/Local/Microsoft/WindowsApps/PythonSoftwareFour tion.Python.3.10_qbz5n2kfra8p0/python.exe c:/Users/home/Documents/python/assignment2.py High Temperature and humidity of: 71 98 % Alarm is ON
High Temperature and humidity of: 63 84 % Alarm is ON
High Temperature and humidity of: 44 21 % Alarm is OFF
PS C:\Users\home>
```