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Assignment-II

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.

Program:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>50 and b>80):

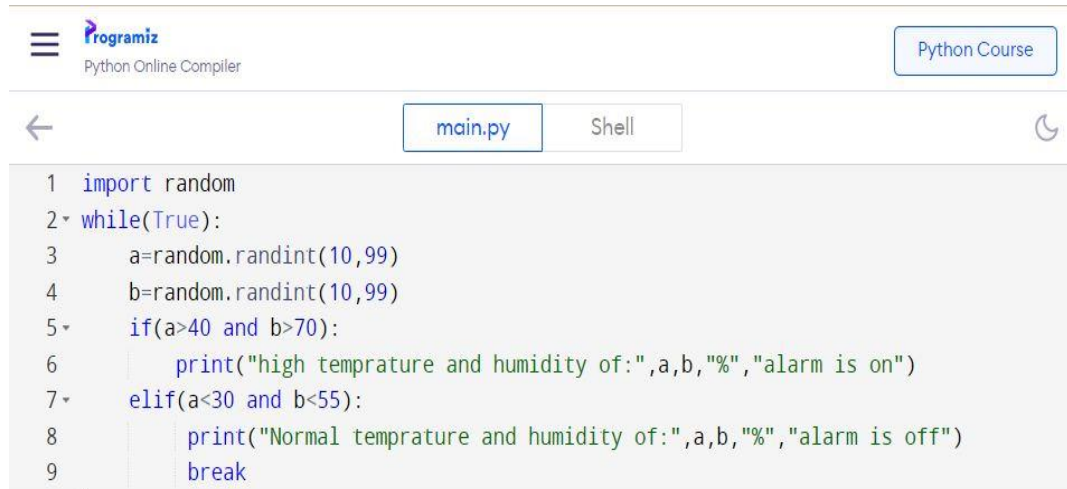
        print("high temprature and humidity of:",a,b,"% ","alarm is on")

    elif(a<45 and b<65):

        print("Normal temprature and humidity of:",a,b,"% ","alarm is off")

    break
```

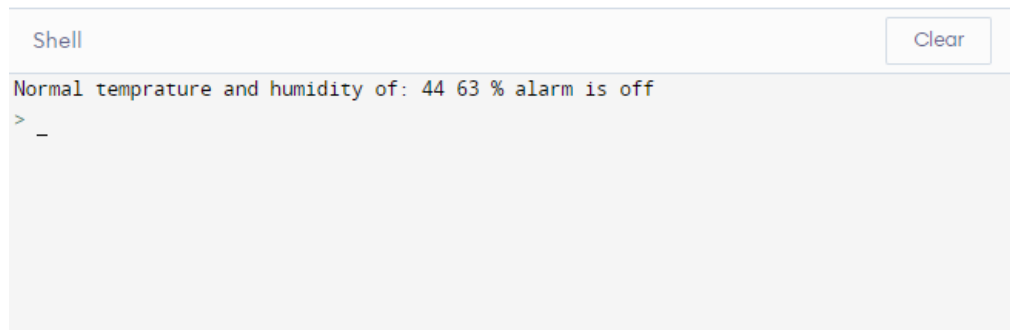
Input:



The screenshot shows the Programiz Python Online Compiler interface. At the top, there is a logo for Programiz and a button labeled "Python Course". Below the header, there are two tabs: "main.py" and "Shell". The "main.py" tab is active, displaying a Python script. The script is as follows:

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>40 and b>70):
6         print("high temprature and humidity of:",a,b,"%","alarm is on")
7     elif(a<30 and b<55):
8         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
9     break
```

Output:



The screenshot shows the "Shell" output window of the Python Online Compiler. It displays the output of the script, which is a single line of text: "Normal temprature and humidity of: 44 63 % alarm is off". Below the output, there is a prompt character ">" followed by a hyphen "-", indicating that the program has finished execution.