

**Assignment -2**  
Python Programming

Assignment Date	21 September 2022
Student Name	Mr.Rishva
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Maximum Marks	2 Marks

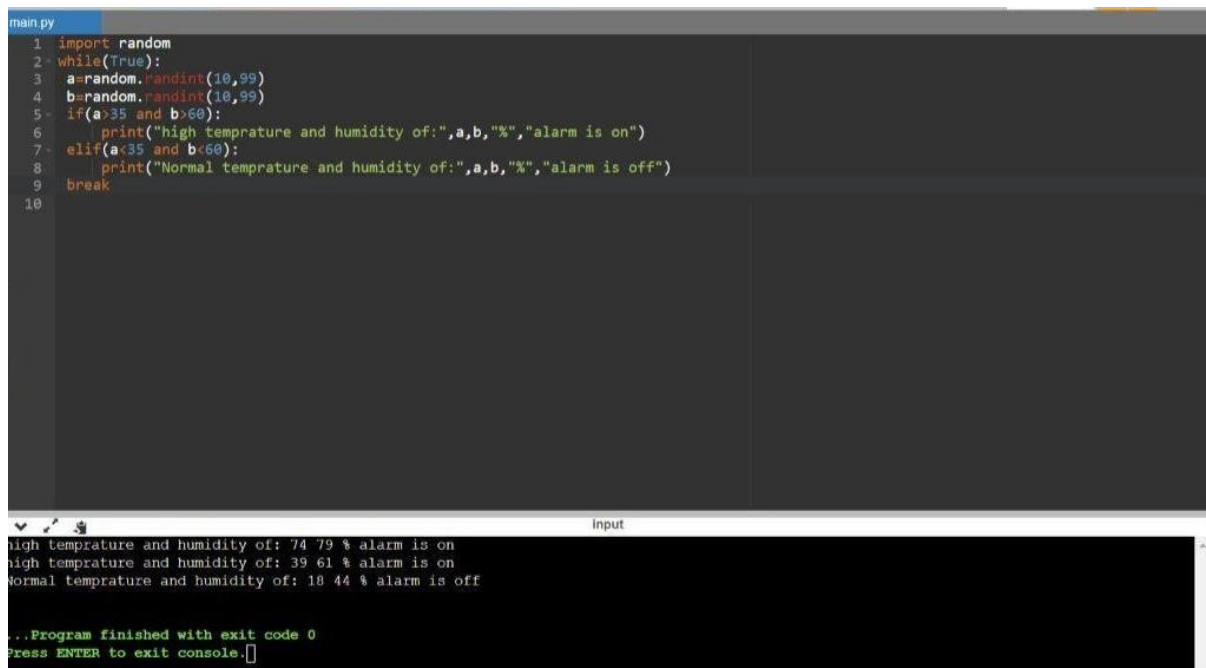
**Question-1:**

Build a python code, Assume you get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature.

**Code:**

```
import random while(True):  
a=random.randint(10,99)  
  
b=random.randint(10,99)  
  
if(a>35 and b>60):  
    print("high temperature and humidity of:",a,b,"%","alarm is on")  
elif(a<35 and b<60):  
    print("Normal temperature and humidity of:",a,b,"%","alarm is off")  
break
```

**Output:**



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1 import random  
2 while(True):  
3     a=random.randint(10,99)  
4     b=random.randint(10,99)  
5     if(a>35 and b>60):  
6         print("high temperature and humidity of:",a,b,"%","alarm is on")  
7     elif(a<35 and b<60):  
8         print("Normal temperature and humidity of:",a,b,"%","alarm is off")  
9     break  
10
```

The output window shows the following results:

```
high temperature and humidity of: 74 79 % alarm is on  
high temperature and humidity of: 39 61 % alarm is on  
Normal temperature and humidity of: 18 44 % alarm is off  
...Program finished with exit code 0  
Press ENTER to exit console.
```