

Assignment -2

Python Programming

Assignment Date	21 September 2022
Student Name	Mr.Surenthiran
Student Roll Number	727819TUEC239 Type your text
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)

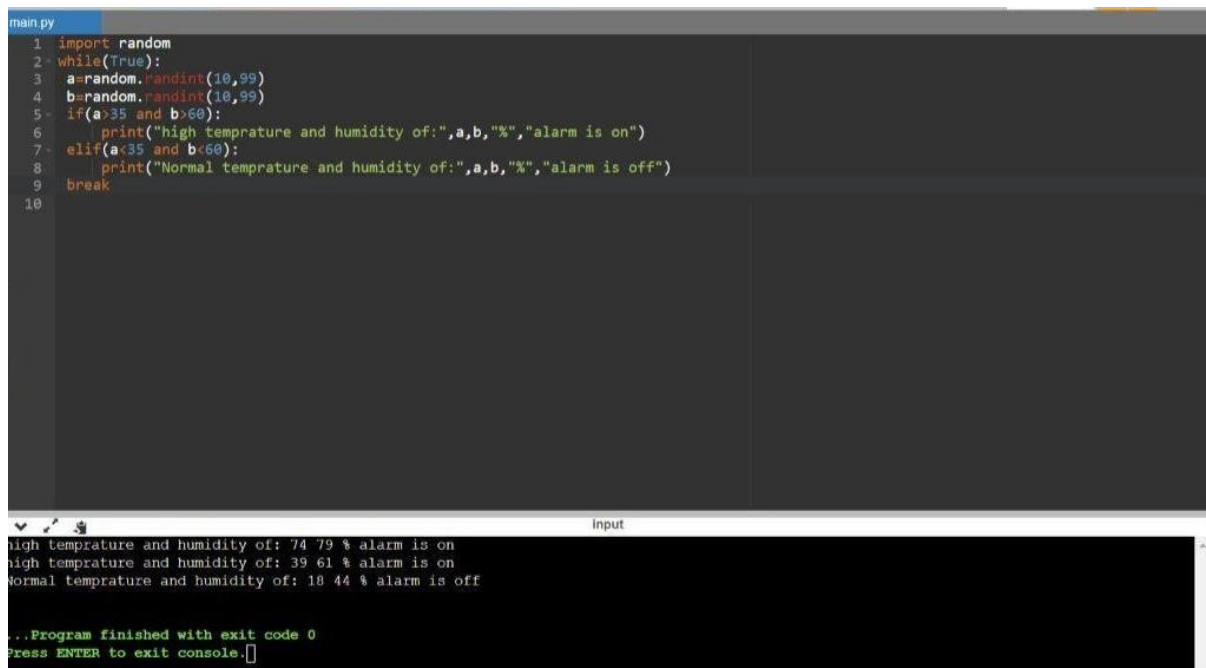
b=random.randint(10,99)

    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 in the editor 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 at the bottom shows the execution 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.
```