

Assignment -2
Python Programming

Assignment Date	23 September 2022
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Maximum Marks	2 Marks

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

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

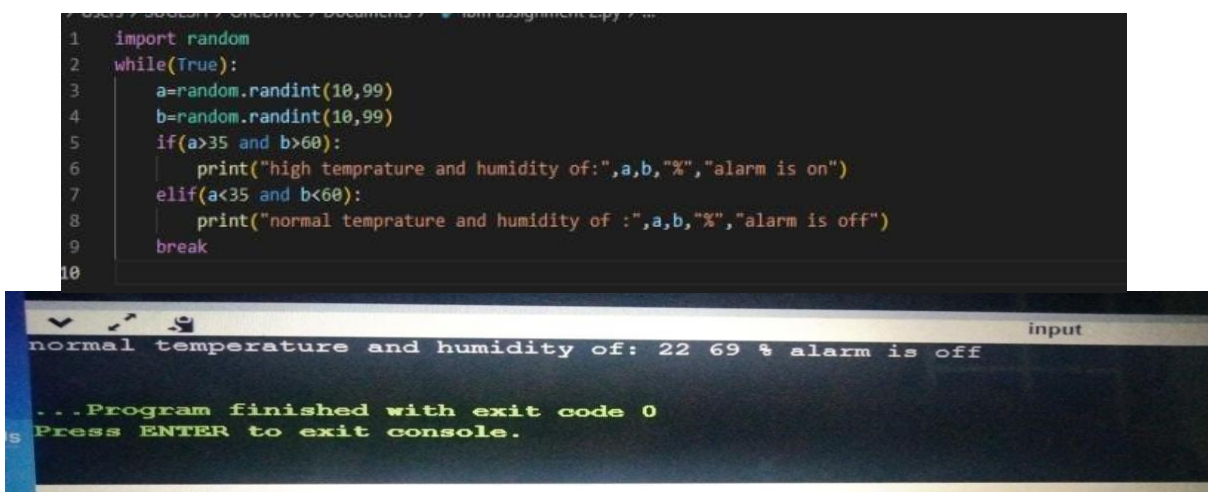
    if(a>35 and b>68):

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

    elif(a<35 and b<60):

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

    break
```



The image shows a screenshot of a Python code editor and its output. 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 temprature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("normal temprature and humidity of :",a,b,"%","alarm is off")
9     break
10
```

The output of the code is shown in a terminal window:

```
normal temprature and humidity of: 22 69 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

