

Assignment -2
Python Programming

Assignment Date	21 September 2022
Student Name	Sivani S G
Student Roll Number	7179KCTKCTKCTKCTKCT19BEC042
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)

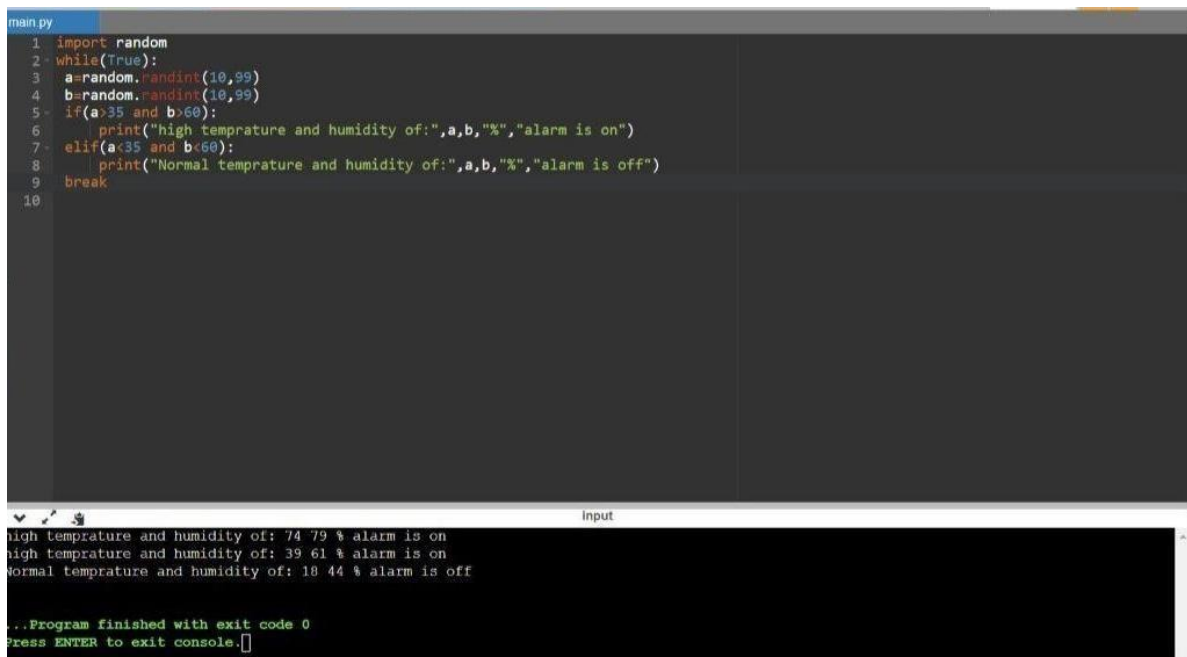
    if(a>35 and b>60):

        print("high temprature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):

        print("Normal temprature 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 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 window at the bottom shows the following results:

```
high temprature and humidity of: 74 79 % alarm is on
high temprature and humidity of: 39 61 % alarm is on
Normal temprature and humidity of: 18 44 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.
```