

Assignment -2
Python Programming

Assignment Date	21 September 2022
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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)

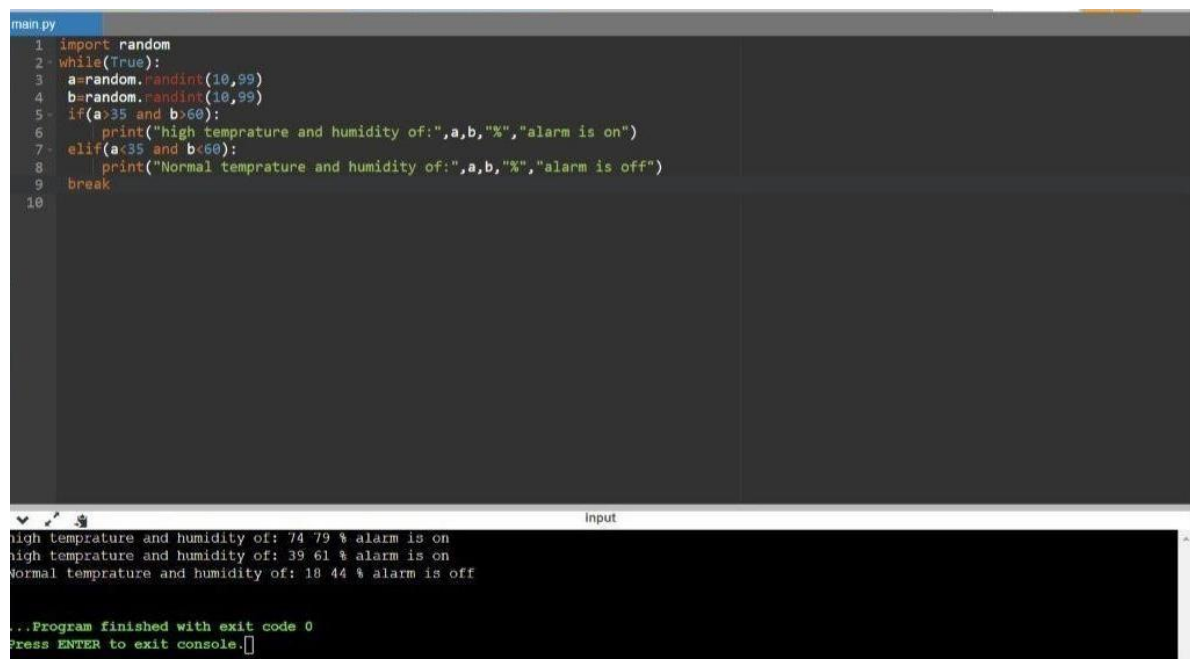
    if(a>35 and b>60):

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

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

    break
```

Output:

The image shows a screenshot of a Python IDE. The top pane displays the code for a program that generates random temperature (a) and humidity (b) values. It uses a while loop to continuously check if the temperature is above 35 and humidity is above 60. If true, it prints 'alarm is on'; otherwise, it prints 'alarm is off'. The bottom pane shows the output of the program, which matches the code logic. The output shows three iterations: two with 'alarm is on' and one with 'alarm is off'. The program ends with 'Program finished with exit code 0'.