

Assignment -2
Python Programming

Assignment Date	23 September 2022
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Maximum Marks	2 Marks

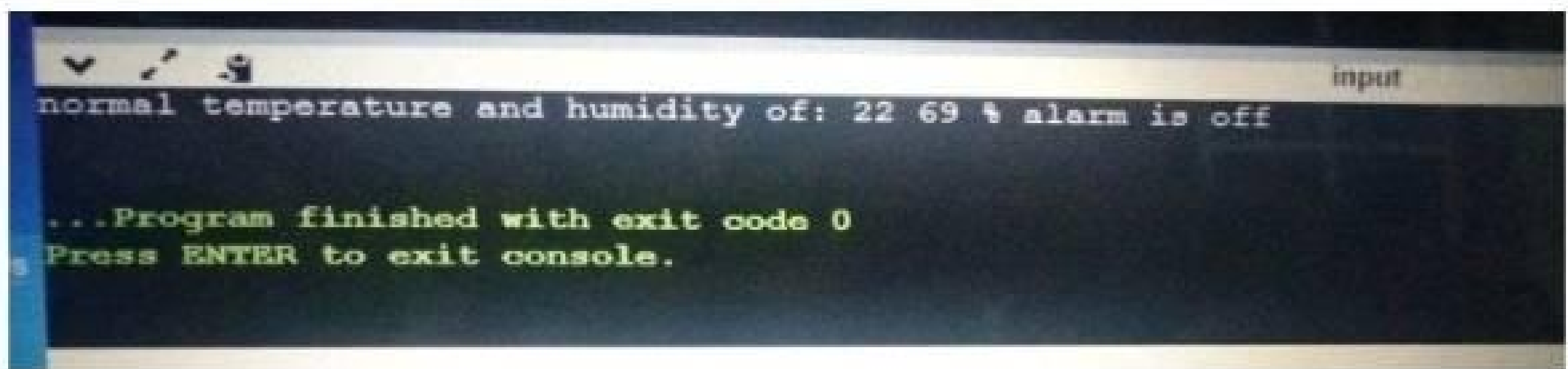
Question-1:

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>60):
        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
```

```
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,"X","alarm is on")
7      elif(a<35 and b<60):
8          print("normal temprature and humidity of :",a,b,"X","alarm is off")
9      break
10
```



A screenshot of a terminal window with a dark background and a light-colored title bar. The title bar contains three icons on the left and the word "input" on the right. The terminal displays the following text in a monospaced font: "normal temperature and humidity of: 22 69 % alarm is off" on the first line, "...Program finished with exit code 0" on the second line, and "Press ENTER to exit console." on the third line. The text is white, except for the exit code "0" which is green.

```
normal temperature and humidity of: 22 69 % alarm is off

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