

Assignment -2
Python Programming

Assignment Date	23 September 2022
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Maximum Marks	2 Marks

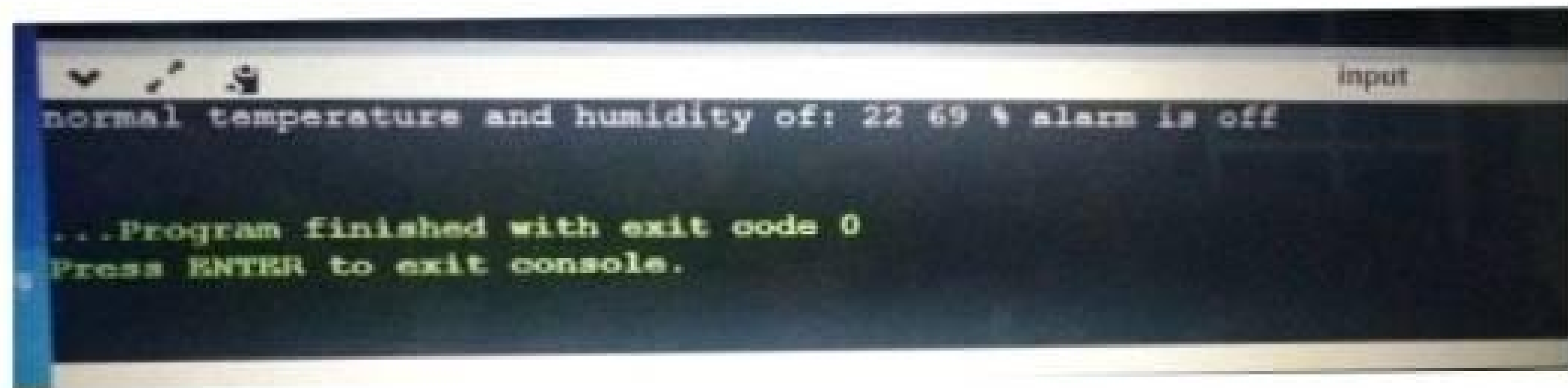
Question-1:

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,"%","alarm is off")
9      break
10
```



A screenshot of a terminal window with a dark background and light-colored text. The window has a title bar at the top with standard macOS window controls (red, yellow, green buttons) and the word "input" on the right. The text inside the terminal reads: "normal temperature and humidity of: 22 69 % alarm is off" on the first line, followed by "...Program finished with exit code 0" on the second line, and "Press ENTER to exit console." on the third line.

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

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