

Assignment -2

Assignment Date	28 September 2022
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Maximum Marks	2 Marks

Question:

Build a python code, assume you 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.

Code:

```
import random

while(True):

    x=random.randint(10,99)

    y=random.randint(10,99)

    if(x>40 and y>70):

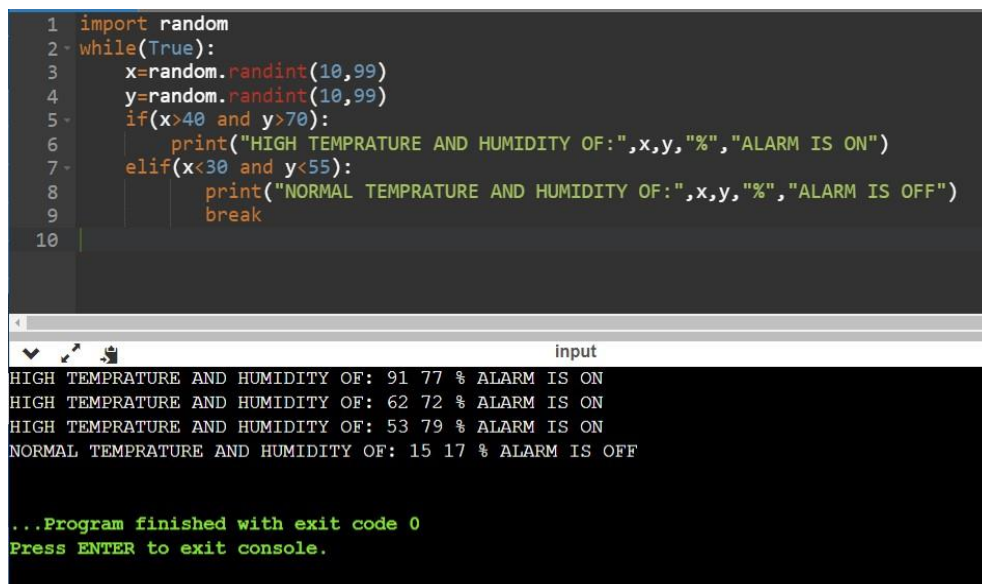
        print("HIGH TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS ON")

    elif(x<30 and y<55):

        print("NORMAL TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS OFF")

    break
```

Output:



```
1 import random
2 while(True):
3     x=random.randint(10,99)
4     y=random.randint(10,99)
5     if(x>40 and y>70):
6         print("HIGH TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS ON")
7     elif(x<30 and y<55):
8         print("NORMAL TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS OFF")
9         break
10
```

input

```
HIGH TEMPRATURE AND HUMIDITY OF: 91 77 % ALARM IS ON
HIGH TEMPRATURE AND HUMIDITY OF: 62 72 % ALARM IS ON
HIGH TEMPRATURE AND HUMIDITY OF: 53 79 % ALARM IS ON
NORMAL TEMPRATURE AND HUMIDITY OF: 15 17 % ALARM IS OFF

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