

ASSIGNMENT 2

Date	27 September 2022
Team ID	PNT2022TMID14424
Roll No	711319EC108

Build a python code, Assume you get temperature and humidity values (generated with random function to a variable) and write a condition continuously detect alarm in case of high temperature.

PROGRAM

```
import random

while(True):

    m=random.randint(5,90)

    n=random.randint(5,90)

    if(m>30 and n>70):

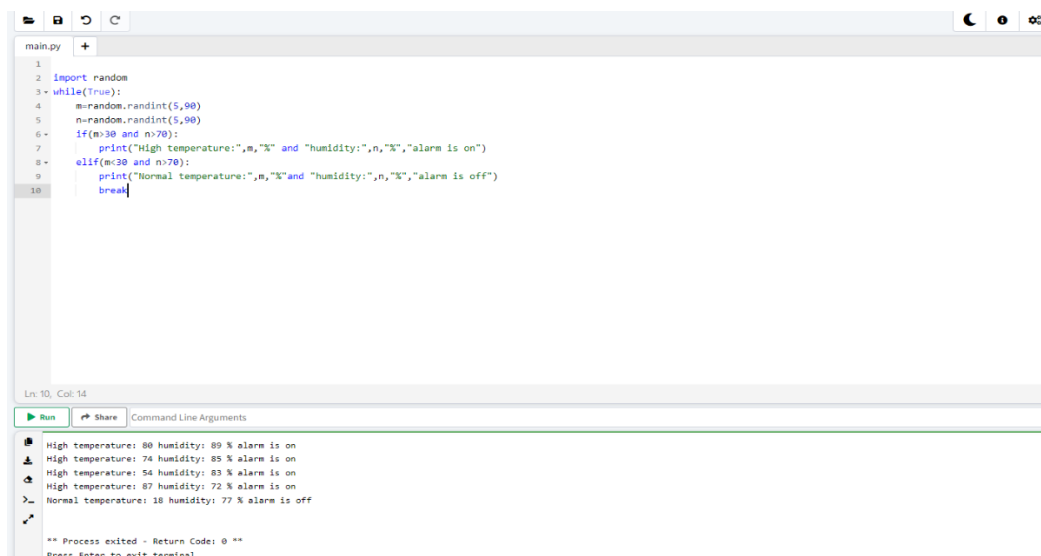
        print("High temperature:",m,"% " and "humidity:",n,"% ","alarm is on")

    elif(m<30 and n>70):

        print("Normal temperature:",m,"% "and "humidity:",n,"% ","alarm is off")

    break
```

OUTPUT



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1
2 import random
3 while(True):
4     m=random.randint(5,90)
5     n=random.randint(5,90)
6     if(m>30 and n>70):
7         print("High temperature:",m,"%" and "humidity:",n,"% ","alarm is on")
8     elif(m<30 and n>70):
9         print("Normal temperature:",m,"% "and "humidity:",n,"% ","alarm is off")
10    break
```

The output window shows the following results:

```
High temperature: 80 humidity: 89 % alarm is on
High temperature: 74 humidity: 85 % alarm is on
High temperature: 54 humidity: 83 % alarm is on
High temperature: 87 humidity: 72 % alarm is on
Normal temperature: 18 humidity: 77 % alarm is off
```

At the bottom, it says: **** Process exited - Return Code: 0 ****
Press Enter to exit terminal