

Assignment -2
Python programming

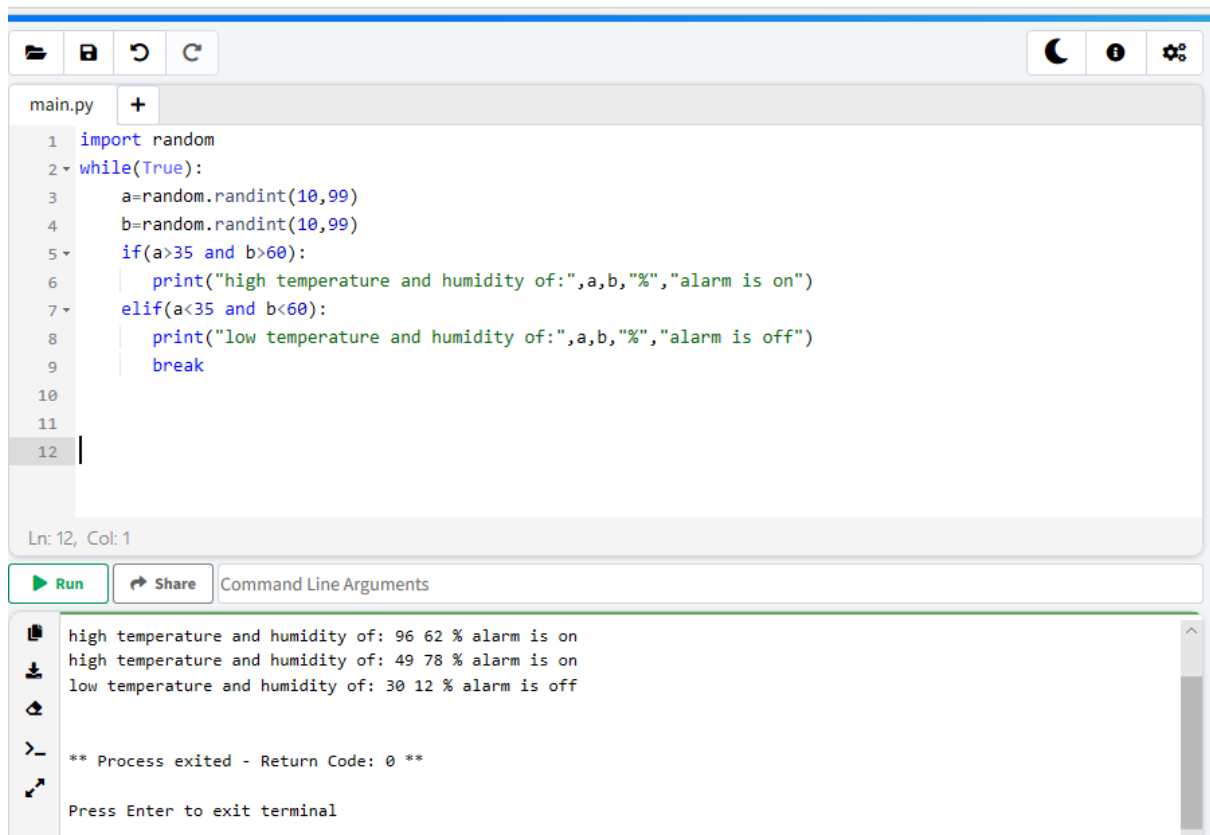
Assignment Date	19 September 2022
Student Name	Mr. Manoj
Student Roll Number	422119106005
Maximum Marks	2 Marks

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 high temperature .

Solution:

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35andb>60):
        print("high temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35andb<60):
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
    break
```



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

```
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 temperature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("low temperature and humidity of:",a,b,"%","alarm is off")
9     break
```

The output of the program is displayed in the terminal window below the code editor:

```
high temperature and humidity of: 96 62 % alarm is on
high temperature and humidity of: 49 78 % alarm is on
low temperature and humidity of: 30 12 % alarm is off

** Process exited - Return Code: 0 **
Press Enter to exit terminal
```