

Assignment -2
Python Programming

Assignment Date	28 September 2022
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Maximum Marks	2 Marks

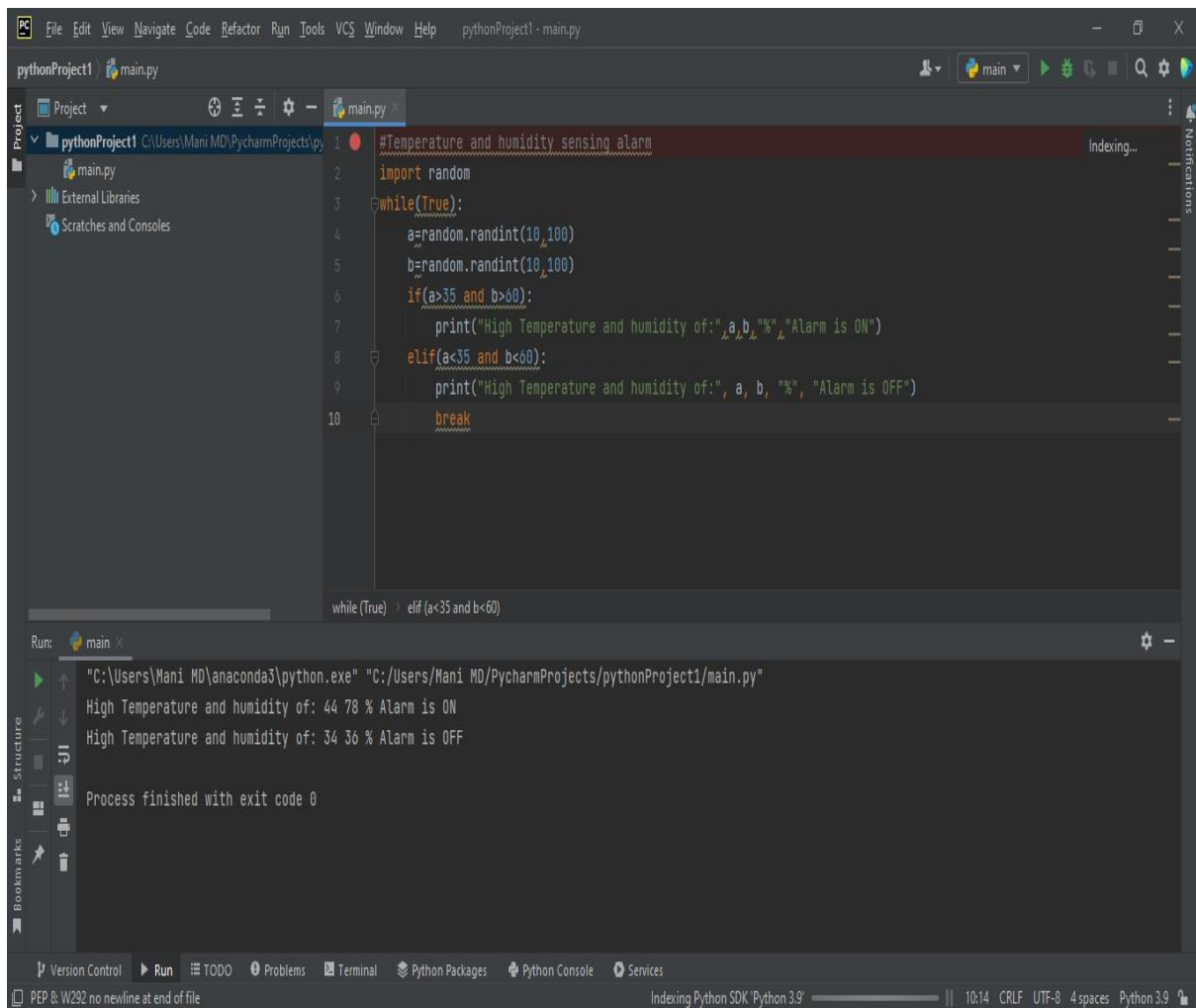
Question-1:

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:

```
#Temperature and humidity sensing alarm
import random
while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>35 and b>60):
        print("High Temperature and humidity of:",a,b,"%","Alarm is ON")
    elif(a<35 and b<60):
        print("High Temperature and humidity of:", a, b, "%", "Alarm is OFF")
    break
```

OUTPUT:



The image shows a PyCharm IDE window for a project named 'pythonProject1'. The main editor displays a file 'main.py' with the following Python code:

```
1 #Temperature and humidity sensing alarm
2 import random
3 while(True):
4     a=random.randint(10,100)
5     b=random.randint(10,100)
6     if(a>35 and b>60):
7         print("High Temperature and humidity of: ",a,b,"% " "Alarm is ON")
8     elif(a<35 and b<60):
9         print("High Temperature and humidity of: ", a, b, "%", "Alarm is OFF")
10    break
```

The Run window at the bottom shows the execution of the script. The command used is "C:\Users\Mani MD\anaconda3\python.exe" "C:/Users/Mani MD/PycharmProjects/pythonProject1/main.py". The output shows two lines of printed text: "High Temperature and humidity of: 44 78 % Alarm is ON" and "High Temperature and humidity of: 34 36 % Alarm is OFF". The process finished with exit code 0.

PEP 8: W292 no newline at end of file

Indexing Python SDK 'Python 3.9'