**Assignment -2**
Python Programming

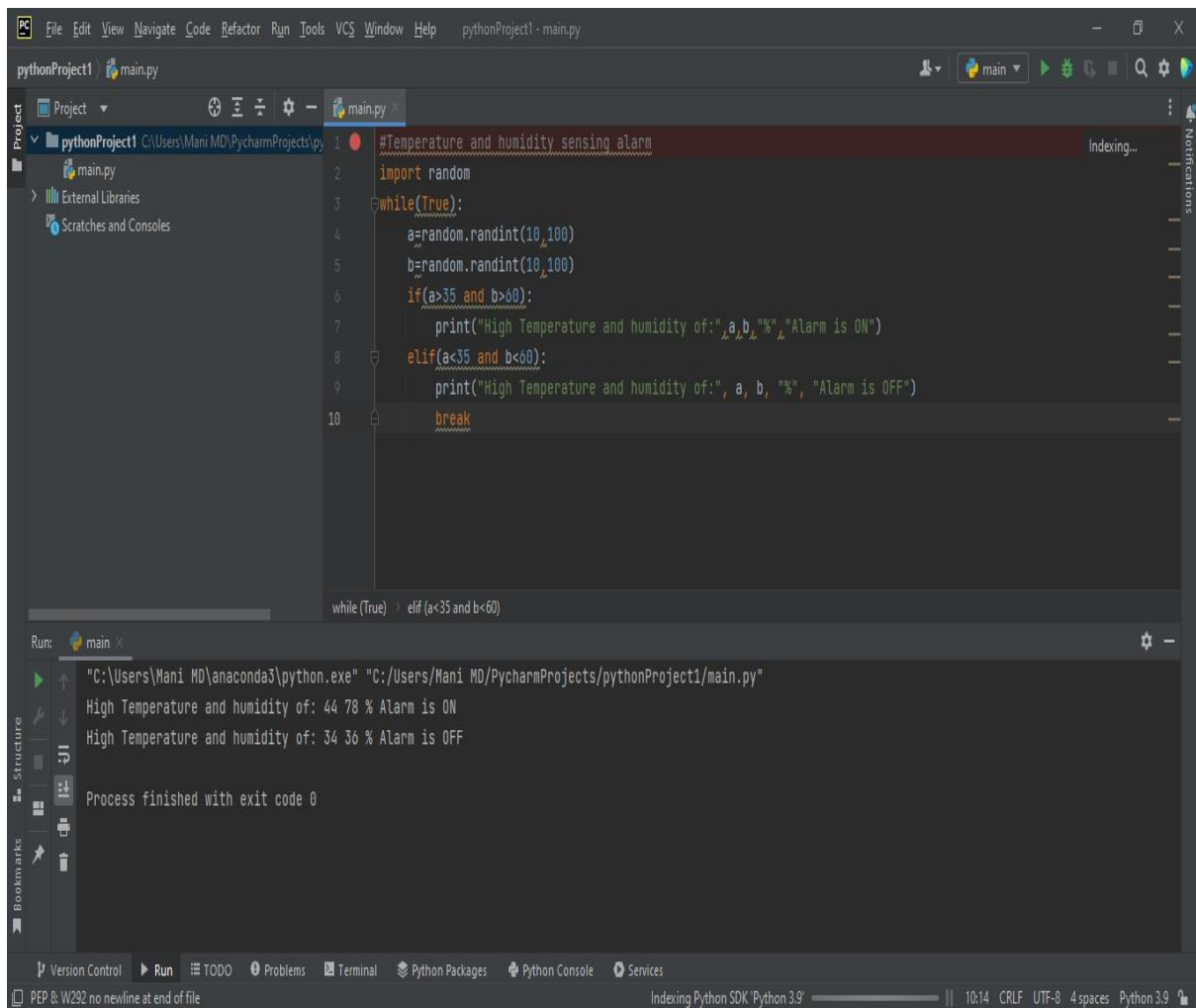| Assignment Date | 28 September 2022 |
|---|---|
| Student Name | R.Manikandan |
| Student Roll Number | 710419106018 |
| Maximum Marks | 2 Marks |

**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:

```python
#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:**



```python
#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
```

```
"C:\Users\Mani MD\anaconda3\python.exe" "C:/Users/Mani MD/PycharmProjects/pythonProject1/main.py"
High Temperature and humidity of: 44 78 % Alarm is ON
High Temperature and humidity of: 34 36 % Alarm is OFF

Process finished with exit code 0
```