

Personal Assistance for Seniors Who Are Self-Reliant

Assignment – II

Topic : PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

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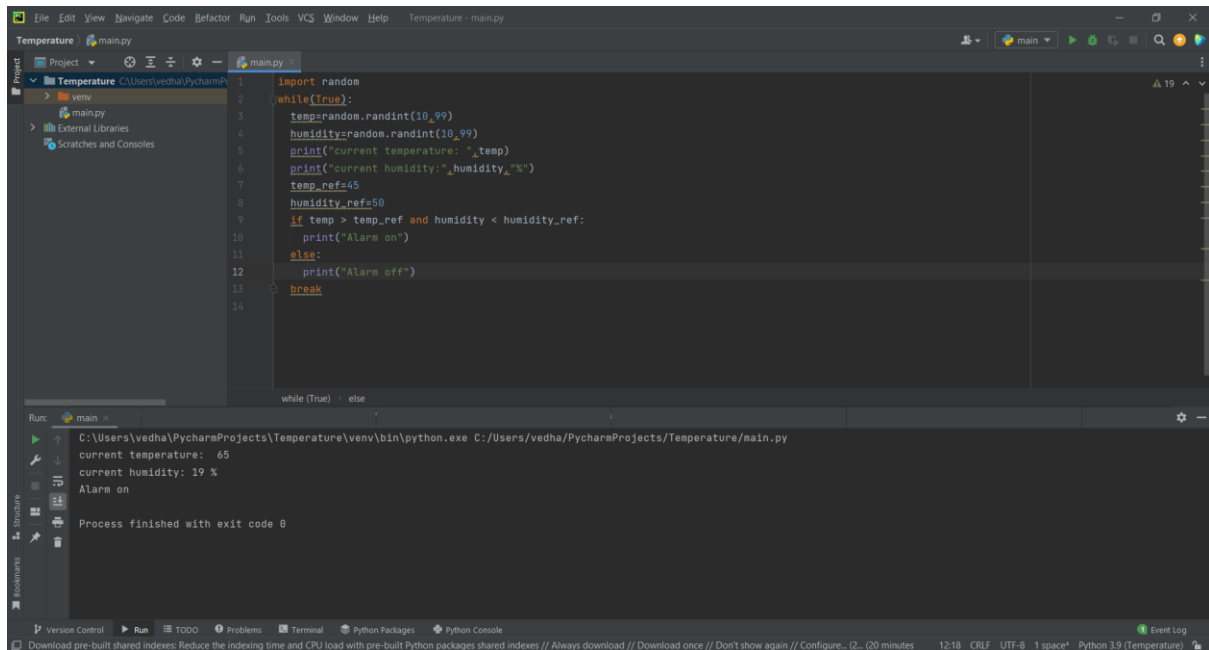
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Code:

```
import random
while(True):
    temp=random.randint(10,99)
    humidity=random.randint(10,99)
    print("current temperature: ",temp)
    print("current humidity:",humidity,"% ")
    temp_ref=45
    humidity_ref=50
    if temp > temp_ref and humidity < humidity_ref:
        print("Alarm on")
    else:
        print("Alarm off")
    break
```

OUTPUT :

ALARM ON



```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humidity=random.randint(10,99)
5     print("current temperature: ",temp)
6     print("current humidity: ",humidity,"%")
7     temp_ref=45
8     humidity_ref=50
9     if temp > temp_ref and humidity < humidity_ref:
10         print("Alarm on")
11     else:
12         print("Alarm off")
13     break
14
```

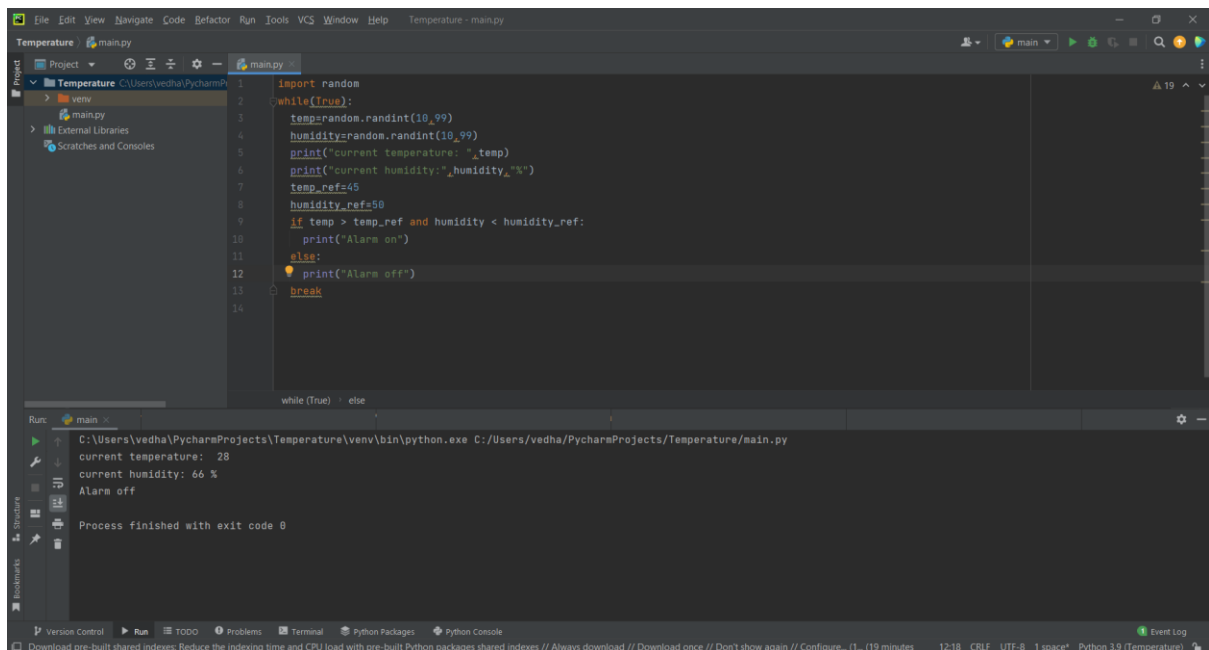
Run: main x

C:\Users\vedha\PycharmProjects\Temperature\venv\bin\python.exe C:/Users/vedha/PycharmProjects/Temperature/main.py

current temperature: 65
current humidity: 19 %
Alarm on

Process finished with exit code 0

ALARM OFF



```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humidity=random.randint(10,99)
5     print("current temperature: ",temp)
6     print("current humidity: ",humidity,"%")
7     temp_ref=45
8     humidity_ref=50
9     if temp > temp_ref and humidity < humidity_ref:
10         print("Alarm on")
11     else:
12         print("Alarm off")
13     break
14
```

Run: main x

C:\Users\vedha\PycharmProjects\Temperature\venv\bin\python.exe C:/Users/vedha/PycharmProjects/Temperature/main.py

current temperature: 28
current humidity: 66 %
Alarm off

Process finished with exit code 0