ASSIGNMENT-2

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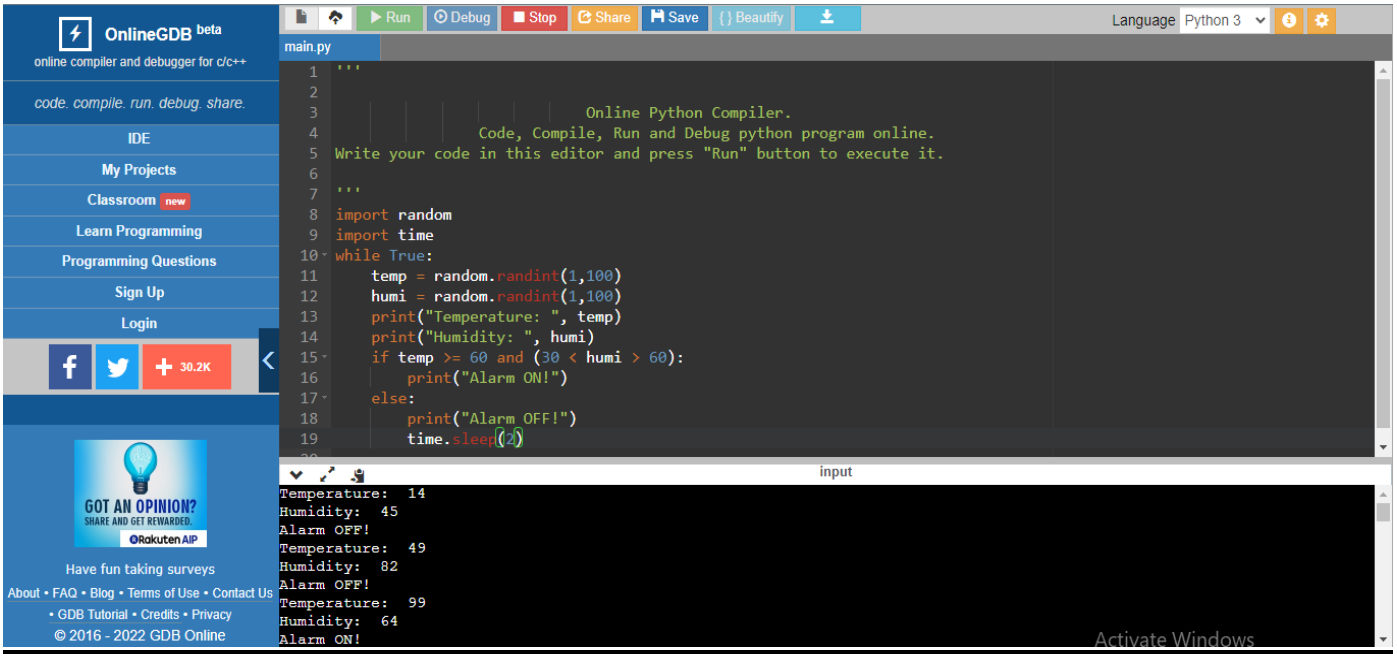
QUESTION:

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

CODE:

```
import random
import time
while True:
    temp = random.randint(1,100)
    humi = random.randint(1,100)
    print("Temperature: ", temp)
    print("Humidity: ", humi)
    if temp >= 60 and (30 < humi > 60):
        print("Alarm ON!")
    else:
        print("Alarm OFF!")
        time.sleep(2)
```

OUTPUT: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code. compile. run. debug. share.
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Run
Debug
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Share
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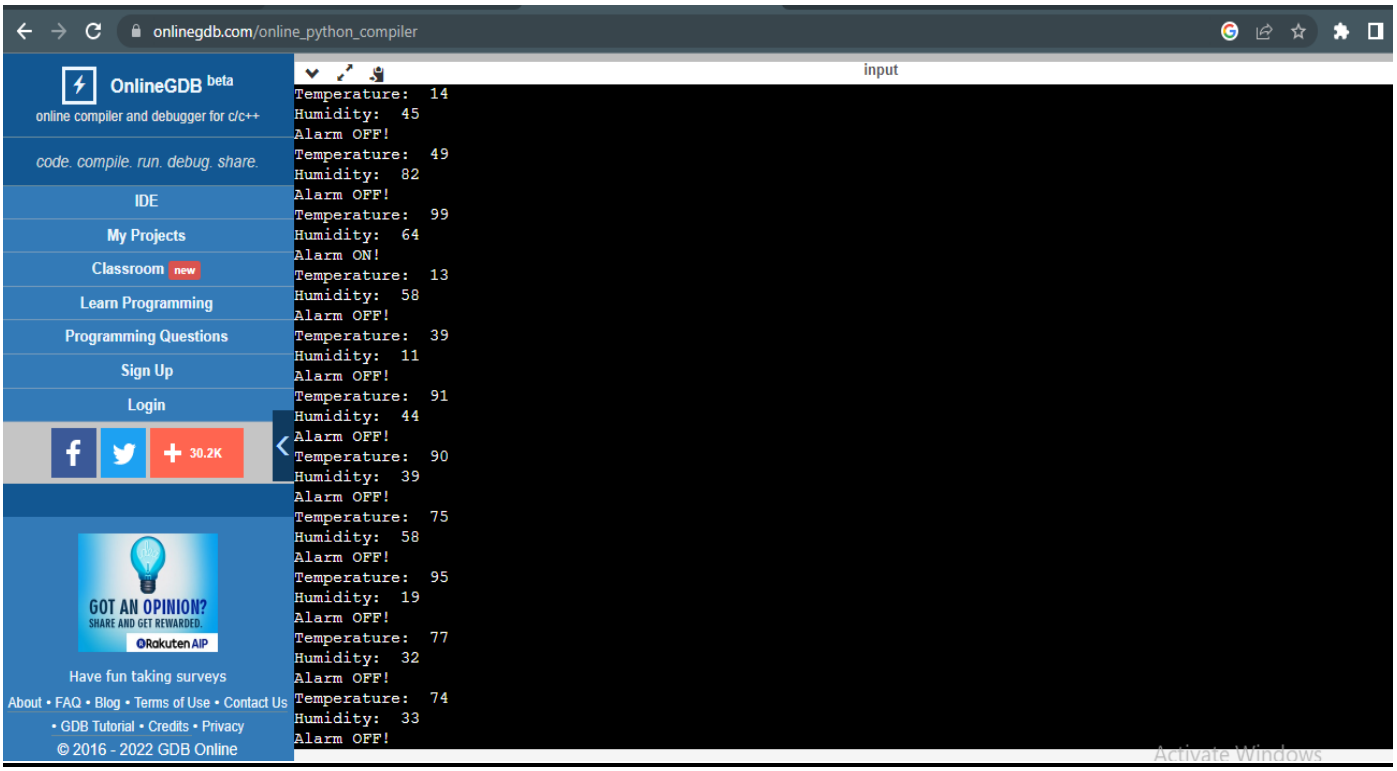
{ } Beautify
Language Python 3
main.py
1 '''
2
3 Online Python Compiler.
4 Code, Compile, Run and Debug python program online.
5 Write your code in this editor and press "Run" button to execute it.
6
7 '''
8 import random
9 import time
10 while True:
11 temp = random.randint(1,100)
12 humi = random.randint(1,100)
13 print("Temperature: ", temp)
14 print("Humidity: ", humi)
15 if temp >= 60 and (30 < humi > 60):
16 print("Alarm ON!")
17 else:
18 print("Alarm OFF!")
19 time.sleep(2)
input
Temperature: 14
Humidity: 45
Alarm OFF!
Temperature: 49
Humidity: 82
Alarm OFF!
Temperature: 99
Humidity: 64
Alarm ON!
Activate Windows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input
Temperature: 14
Humidity: 45
Alarm OFF!
Temperature: 49
Humidity: 82
Alarm OFF!
Temperature: 99
Humidity: 64
Alarm ON!
Temperature: 13
Humidity: 58
Alarm OFF!
Temperature: 39
Humidity: 11
Alarm OFF!
Temperature: 91
Humidity: 44
Alarm OFF!
Temperature: 90
Humidity: 39
Alarm OFF!
Temperature: 75
Humidity: 58
Alarm OFF!
Temperature: 95
Humidity: 19
Alarm OFF!
Temperature: 77
Humidity: 32
Alarm OFF!
Temperature: 74
Humidity: 33
Alarm OFF!
Activate Windows