IBM -NALAIYA THIRAN

INTERNET OF THINGS

BATCH : B3-3M5E

ASSIGNMENT NO : 2

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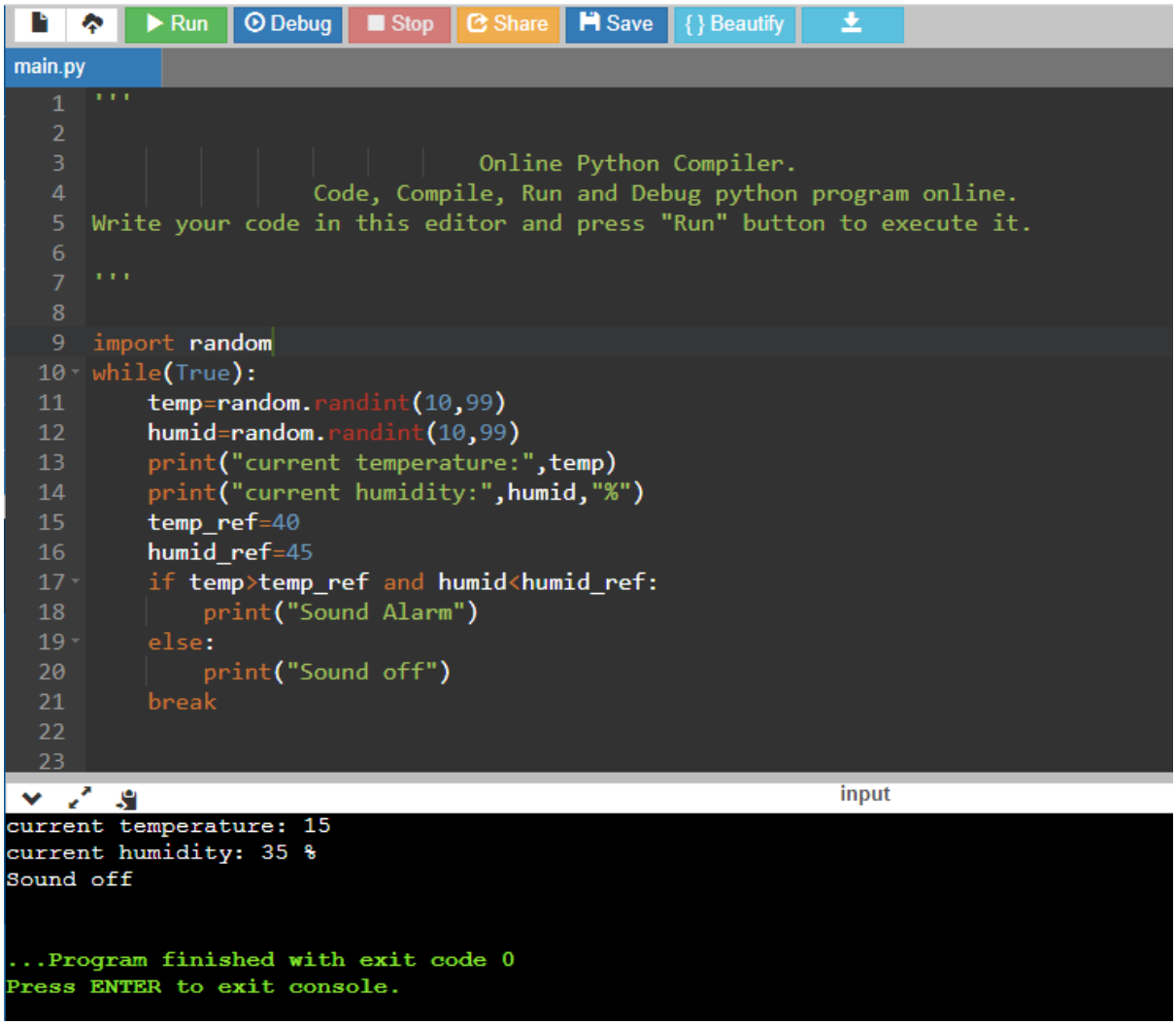
ASSIGNMENT QUESTION:

Build a python code. Assume u get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

CODE:

```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and humid<humid_ref:
        print("Sound Alarm")
    else:
        print("Sound off")
    break
```

OUTPUT:


Run
Debug
Stop
Share
Save
{} Beautify
main.py
'''
Online Python Compiler.
Code, Compile, Run and Debug python program online.
Write your code in this editor and press "Run" button to execute it.
'''
import random
while(True):
temp=random.randint(10,99)
humid=random.randint(10,99)
print("current temperature:",temp)
print("current humidity:",humid,"%")
temp_ref=40
humid_ref=45
if temp>temp_ref and humid<humid_ref:
print("Sound Alarm")
else:
print("Sound off")
break
input
current temperature: 15
current humidity: 35 %
Sound off
...Program finished with exit code 0
Press ENTER to exit console.