ASSIGNMENT-2

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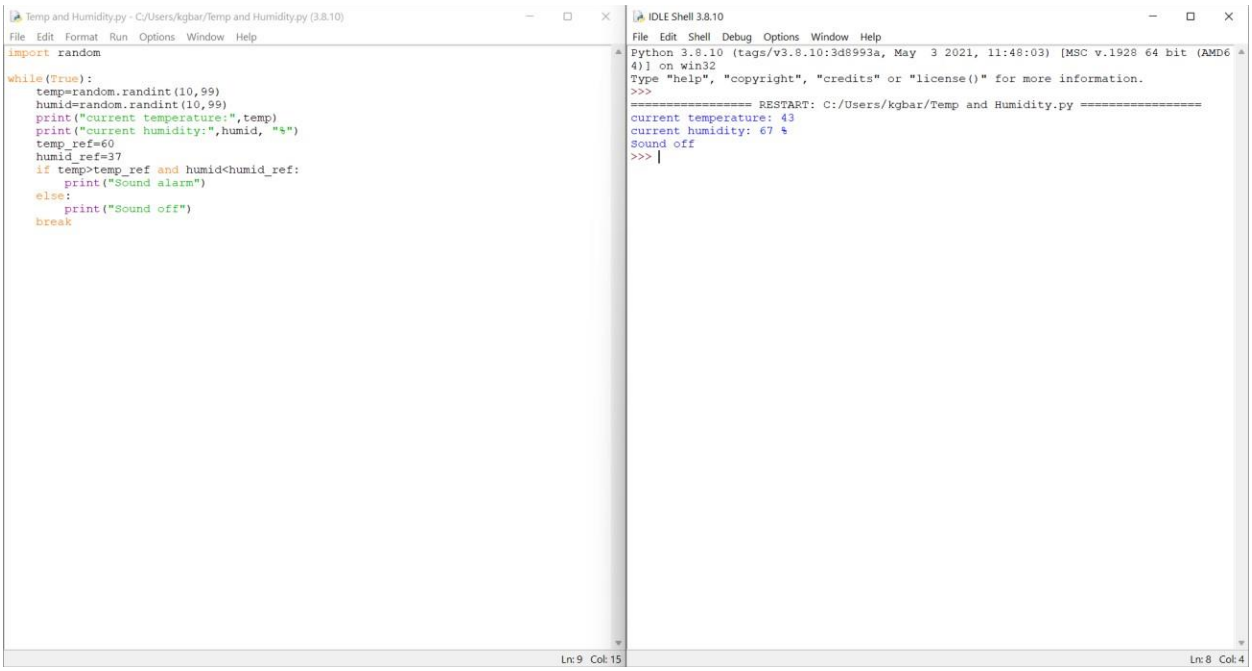
Question:

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

PROGRAM

```
Import random
While(True):
        temp=random.randint(10,99)
humid=random.randint(10,99)
print(“current temperature : ”, temp)
print(“current humidity : ”, humid,”%”)
temp_ref=60
humid_ref=37
        if temp>temp_ref and humid<humid_ref:
print(“sound alarm”)
else :
print(“sound off”)
        break
```

Schematic Output:


Temp and Humidity.py - C:/Users/kgbar/Temp and Humidity.py (3.8.10)
File Edit Format Run Options Window Help
import random
while(True):
temp=random.randint(10,99)
humid=random.randint(10,99)
print("current temperature:",temp)
print("current humidity:",humid, "%")
temp_ref=60
humid_ref=37
if temp>temp_ref and humid<humid_ref:
print("Sound alarm")
else:
print("Sound off")
break
Ln: 9 Col: 15
IDLE Shell 3.8.10
File Edit Shell Debug Options Window Help
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/kgbar/Temp and Humidity.py ==========
current temperature: 43
current humidity: 67 %
Sound off
>>>
Ln: 8 Col: 4