

Assignment-2

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Objective:

Build a python code, assume you 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.

Python Code:

```
import random

while (True):

    temp=random.randint(15,99)
    humid=random.randint(15,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=105
    humid_ref=105
    if temp<temp_ref and humid<humid_ref:
        print("Sound alarm")
    else:
        print("Alarm off")
    break
```

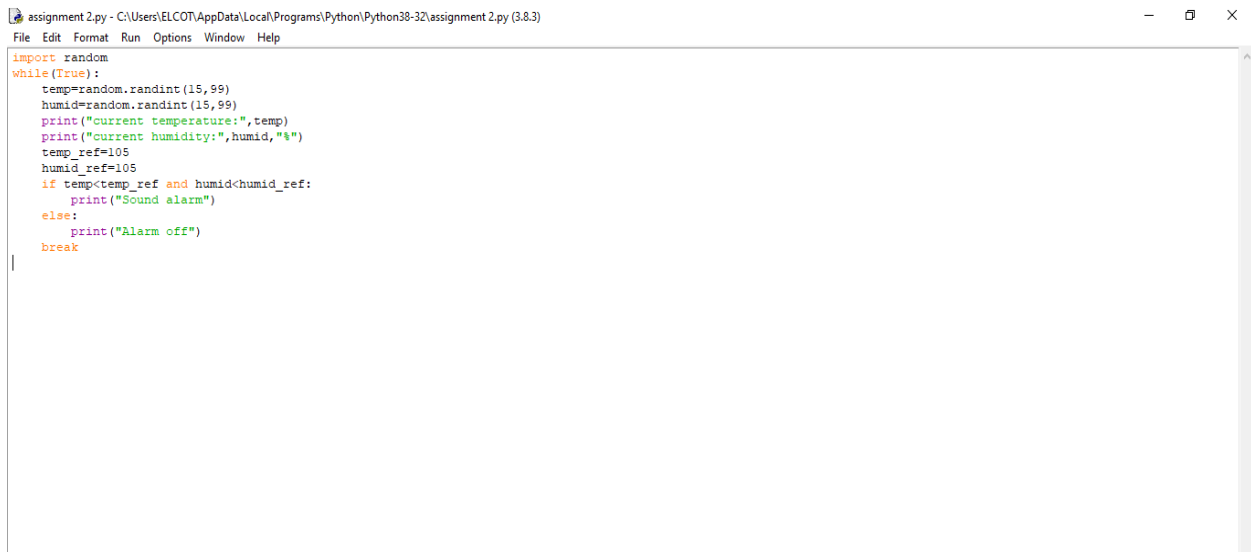
output:

current temperature: 64

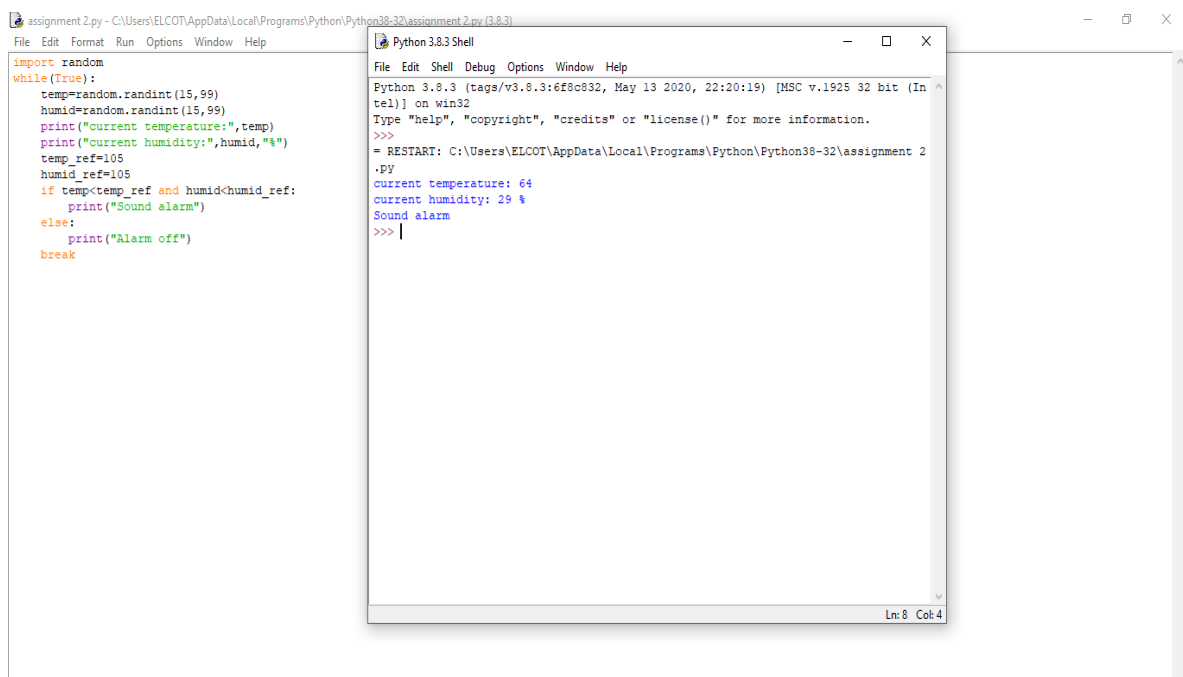
current humidity: 29%

Sound alarm

Screenshots:



```
assignment 2.py - C:\Users\ELCOT\AppData\Local\Programs\Python\Python38-32\assignment 2.py (3.8.3)
File Edit Format Run Options Window Help
import random
while (True):
    temp=random.randint(15,99)
    humid=random.randint(15,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=105
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    if temp<temp_ref and humid<humid_ref:
        print("Sound alarm")
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```
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Python 3.8.3 Shell
File Edit Shell Debug Options Window Help
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:20:19) [MSC v.1925 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\ELCOT\AppData\Local\Programs\Python\Python38-32\assignment 2
.PY
current temperature: 64
current humidity: 29 %
Sound alarm
>>> |
```