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ASSIGNMENT 1

OBJECTIVE:

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.

```
Import random
While(True):

    temp=random.radiant(10,99)

    humid=random.radiant(10,99)

    print("current temperature:", temp)

    print("current humanity:", humid, "%")

    temt_ref=36

    humid_ref=34

    if temp>temp_ref and humid<humid_ref:

        print("Sound alarm")

    else:

        print("Sound off")

    break
```
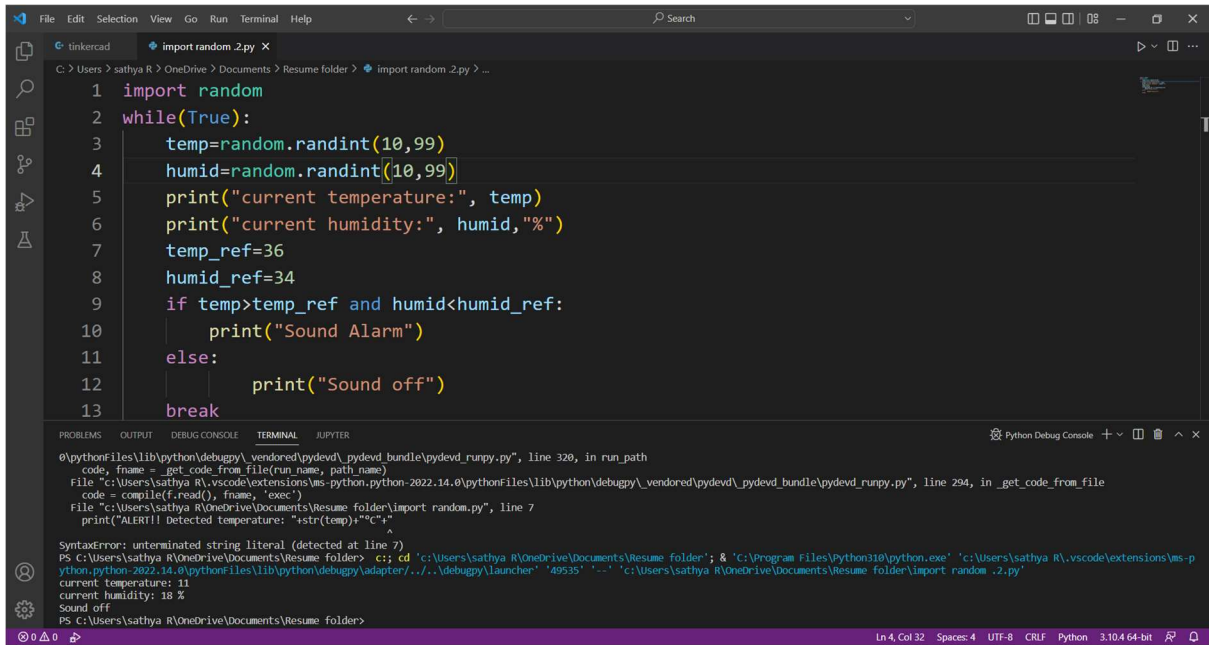
tinkercad   ● import random .2.py ✕

C: > Users > sathya R > OneDrive > Documents > Resume folder > ● import random .2.py > ...

```python
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:", temp)
    print("current humidity:", humid,"%")
    temp_ref=36
    humid_ref=34
    if temp>temp_ref and humid<humid_ref:
        print("Sound Alarm")
    else:
            print("Sound off")
    break
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    JUPYTER                                                    Python Debug Console

0\pythonFiles\lib\python\debugpy\_vendored\pydevd\_pydevd_bundle\pydevd_runpy.py", line 320, in run_path
    code, fname = _get_code_from_file(run_name, path_name)
  File "c:\Users\sathya R\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\_vendored\pydevd\_pydevd_bundle\pydevd_runpy.py", line 294, in _get_code_from_file
    code = compile(f.read(), fname, 'exec')
  File "C:\Users\sathya R\OneDrive\Documents\Resume folder\import random.py", line 7
    print("ALERT!! Detected temperature: "+str(temp)+"°C"+"
                                                          ^
SyntaxError: unterminated string literal (detected at line 7)
PS C:\Users\sathya R\OneDrive\Documents\Resume folder>  c:; cd 'c:\Users\sathya R\OneDrive\Documents\Resume folder'; & 'C:\Program Files\Python310\python.exe' 'c:\Users\sathya R\.vscode\extensions\ms-p
ython.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '49535' '--' 'c:\Users\sathya R\OneDrive\Documents\Resume folder\import random .2.py'
current temperature: 11
current humidity: 18 %
Sound off
PS C:\Users\sathya R\OneDrive\Documents\Resume folder>
```