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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.randint(10,99)

humid=random.randint(10,99)

print("current temperature:", temp)

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

temp\_ref=36

humid\_ref=34

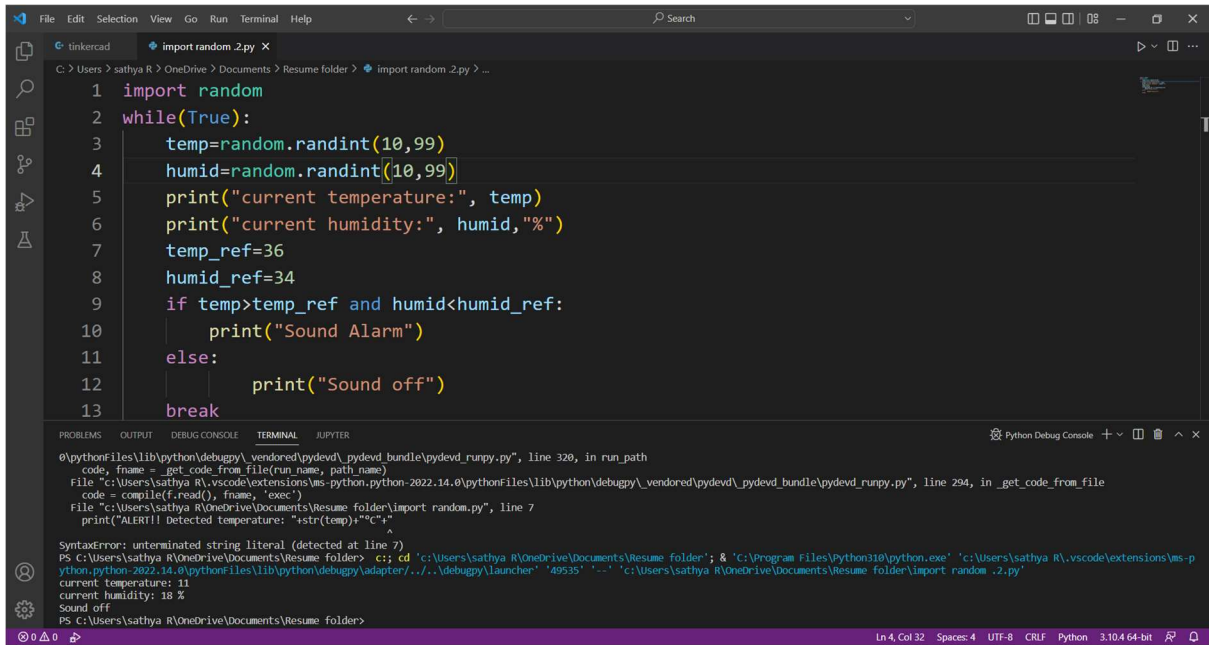
if temp>temp\_ref and humid<humid\_ref:

print("Sound alarm")

else:

print("Sound off")

break



The image shows a Visual Studio Code editor window with a Python script named `import random .2.py` open. The script is a loop that generates random temperature and humidity values, compares them to reference values, and prints a sound alarm or off message. The terminal output shows the script running successfully, printing the current temperature and humidity values.

```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5     print("current temperature:", temp)
6     print("current humidity:", humid,"%")
7     temp_ref=36
8     humid_ref=34
9     if temp>temp_ref and humid<humid_ref:
10         print("Sound Alarm")
11     else:
12         print("Sound off")
13     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> 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>

Ln 4, Col 32 Spaces: 4 UTF-8 CRLF Python 3.10.4 64-bit