

Assignment -2

Assignment Date	26 October 2022
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Student Roll Number	501906
Maximum Marks	2 Marks

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.

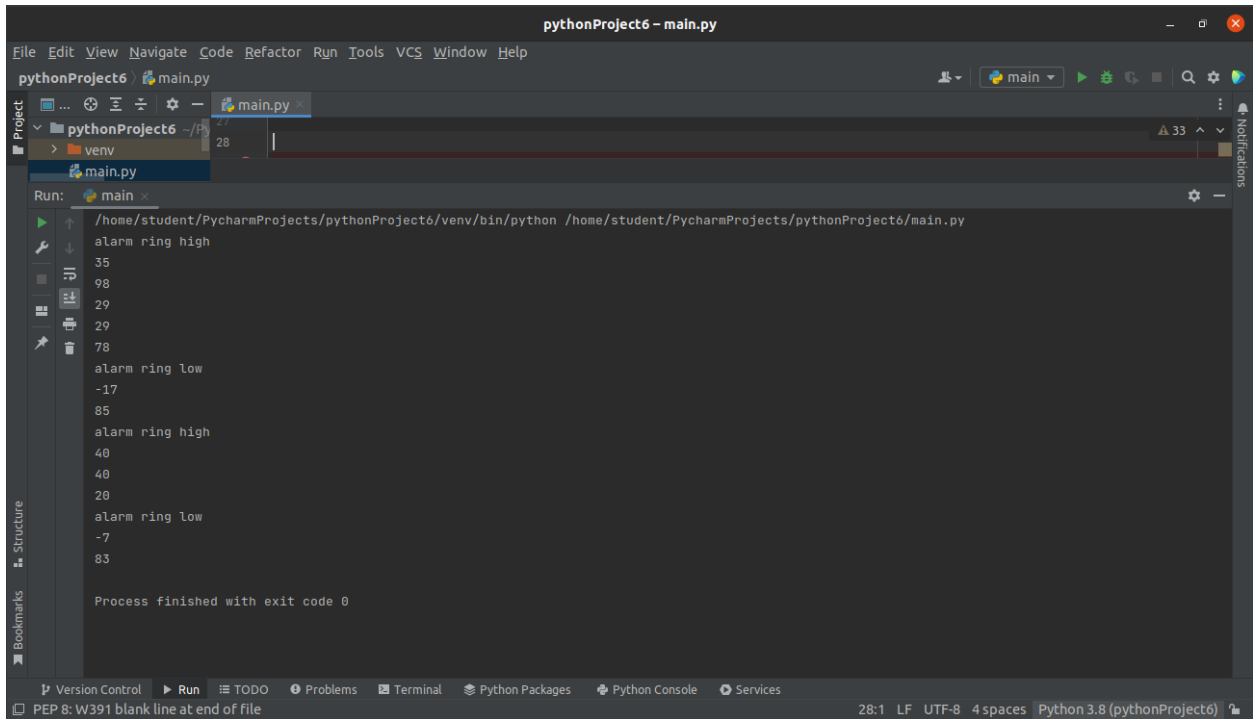
CODE:

```
import random
def temp(t):
    if(t>34 and t<74):
        print("alarm ring high")
    elif(t>-6 and t<33):
        print(t)
    elif(t<-4):
        print("alarm ring low")
    print(t)

def hum(h):
    if(h>34 and h<74):
        print("alarm ring high")
    elif(h>-6 and h<33):
        print(t)
    elif(h<-4):
        print("alarm ring low")
    print(h)

i=0
while i<5:
    h=random.randint(0,100)
    t=random.randint(-30,50)
    temp(t)
    hum(h)
    i+=1
```

OUTPUT:



The screenshot shows the PyCharm IDE interface for a project named 'pythonProject6'. The main window displays the 'main.py' file. The 'Run' tab is active, showing the execution output of the script. The output consists of several lines of text, including 'alarm ring high', 'alarm ring low', and numerical values. The process finished with exit code 0. The status bar at the bottom indicates the file encoding is UTF-8 and the Python version is 3.8.

```
Run: main
/home/student/PycharmProjects/pythonProject6/venv/bin/python /home/student/PycharmProjects/pythonProject6/main.py
alarm ring high
35
98
29
29
78
alarm ring low
-17
85
alarm ring high
40
40
20
alarm ring low
-7
83

Process finished with exit code 0
```

PEP 8: W391 blank line at end of file

28:1 LF UTF-8 4 spaces Python 3.8 (pythonProject6)