

Assignment -2

Assignment Date	26 October 2022
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Student Roll Number	501910
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.

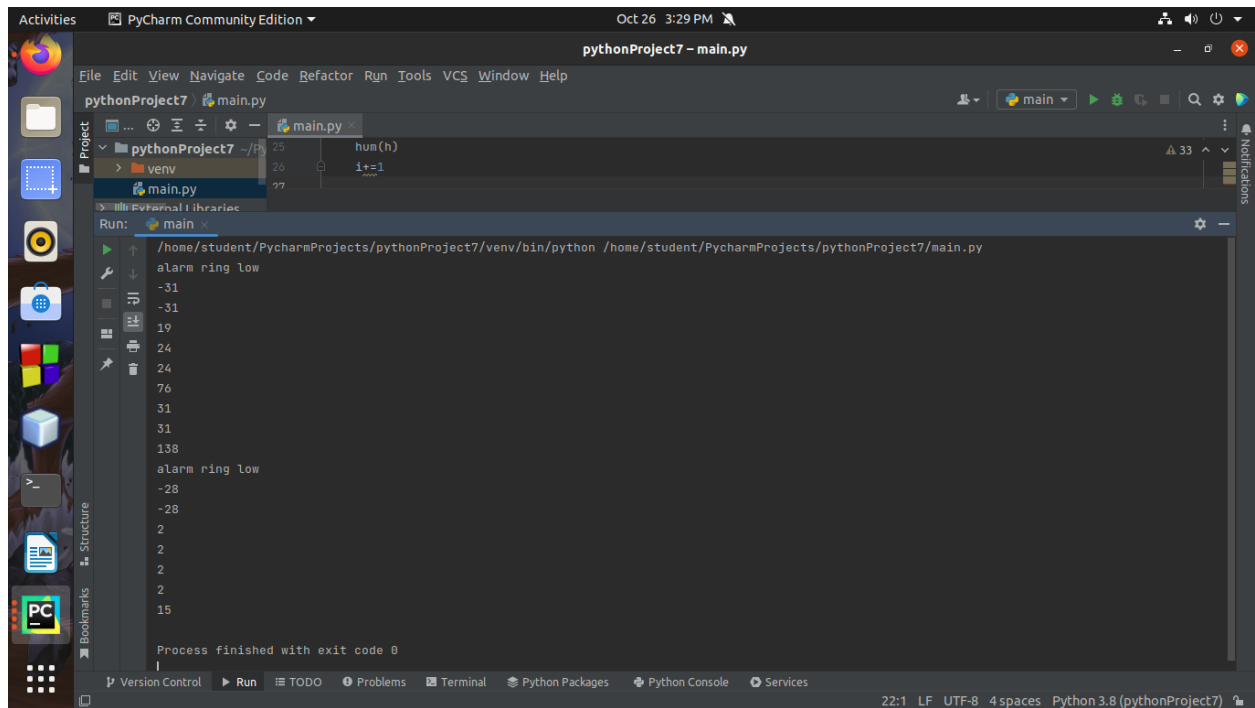
CODE:

```
import random
def temp(t):
    if(t>36 and t<74):
        print("alarm ring high")
    elif(t>-6 and t<35):
        print(t)
    elif(t<-5):
        print("alarm ring low")
    print(t)

def hum(h):
    if(h>36 and h<74):
        print("alarm ring high")
    elif(h>-6 and h<35):
        print(t)
    elif(h<-5):
        print("alarm ring low")
    print(h)

i=0
while i<5:
    h=random.randint(0,150)
    t=random.randint(-40,50)
    temp(t)
    hum(h)
    i+=1
```

OUTPUT:



The screenshot shows the PyCharm IDE interface. The main editor window displays a Python file named `main.py` with the following code:

```
25     hum(h)
26     i+=1
27
```

The Run console at the bottom shows the output of the script execution:

```
/home/student/PycharmProjects/pythonProject7/venv/bin/python /home/student/PycharmProjects/pythonProject7/main.py
alarm ring low
-31
-31
19
24
24
76
31
31
138
alarm ring low
-28
-28
2
2
2
2
15
Process finished with exit code 0
```

The status bar at the bottom indicates the file is encoded in UTF-8 with 4 spaces, using Python 3.8 (pythonProject7).