

Assignment -2

Assignment Date	26 October 2022
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Student Roll Number	501920
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.

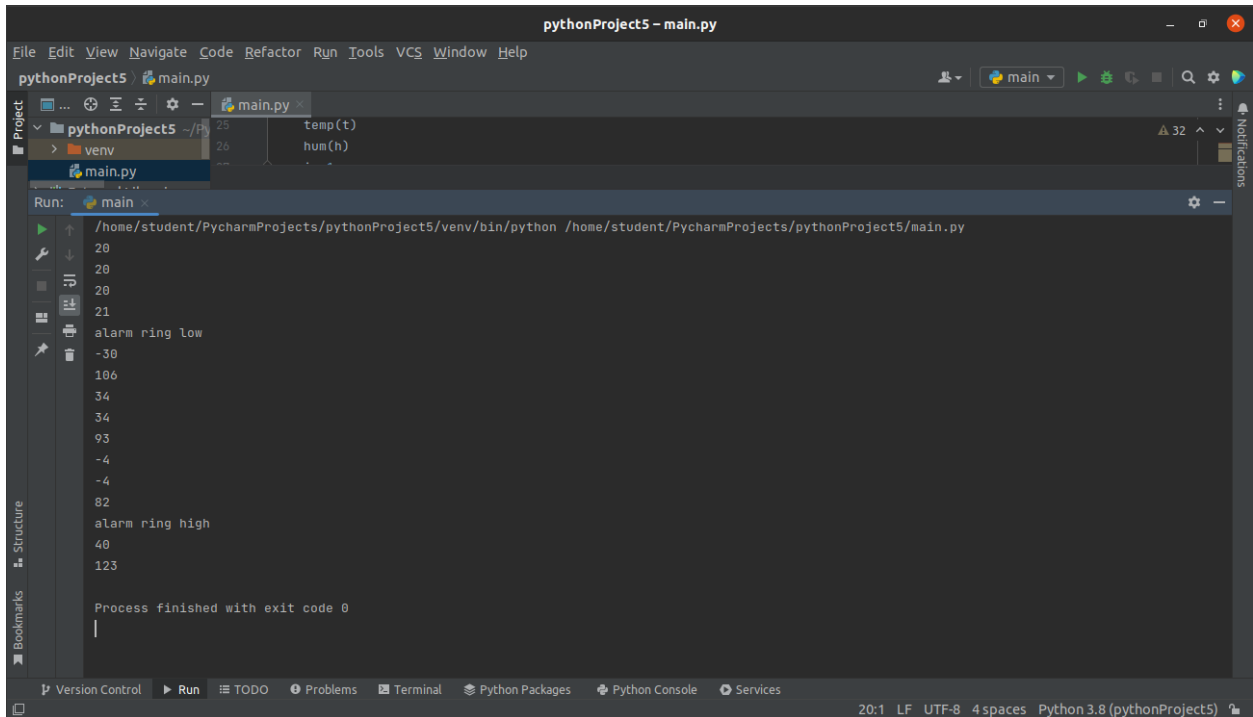
CODE:

```
import random
def temp(t):
    if(t>35 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>35 and h<74):
        print("alarm ring high")
    elif(h>-7 and h<36):
        print(t)
    elif(h<-5):
        print("alarm ring low")
        print(h)

i=0
while i<5:
    h=random.randint(0,150)
    t=random.randint(-30,50)
    temp(t)
    hum(h)
    i+=1
```

OUTPUT:



The screenshot shows the PyCharm IDE interface with the file `pythonProject5 - main.py` open. The `main.py` file contains the following code:

```
25 temp(t)
26 hum(h)
```

The `Run` console shows the command executed: `/home/student/PycharmProjects/pythonProject5/venv/bin/python /home/student/PycharmProjects/pythonProject5/main.py`. The output of the script is as follows:

```
20
20
20
21
alarm ring low
-30
106
34
34
93
-4
-4
82
alarm ring high
40
123

Process finished with exit code 0
```

The bottom status bar indicates the current settings: `20:1 LF UTF-8 4 spaces Python 3.8 (pythonProject5)`.