

Assignment -2

Assignment Date	26 October 2022
Student Name	Sereena Jerry
Student Roll Number	501935
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.

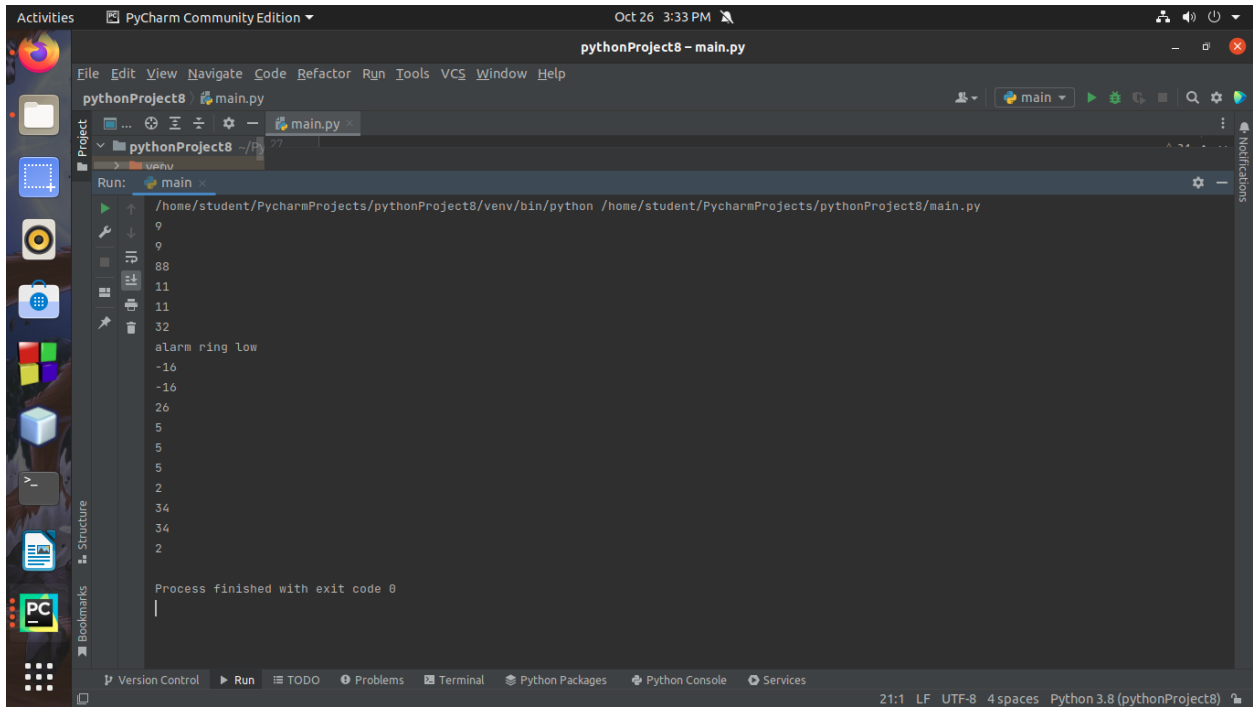
CODE:

```
import random
def temp(t):
    if(t>34 and t<74):
        print("alarm ring high")
    elif(t>-5 and t<30):
        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>-5 and h<30):
        print(t)
    elif(h<-4):
        print("alarm ring low")
    print(h)

i=0
while i<5:
    h=random.randint(0,100)
    t=random.randint(-20,50)
    temp(t)
    hum(h)
    i+=1
```

OUTPUT:



The screenshot shows the PyCharm IDE interface. The top bar indicates the date and time as Oct 26 3:33 PM. The main window title is 'pythonProject8 - main.py'. The menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The left sidebar shows the Project view with 'pythonProject8' and 'main.py' listed. The Run console is open, displaying the command: `/home/student/PycharmProjects/pythonProject8/venv/bin/python /home/student/PycharmProjects/pythonProject8/main.py`. The output shows line numbers 9, 9, 88, 11, 11, 32, followed by the text 'alarm ring low', then '-16', '-16', '26', '5', '5', '5', '2', '34', '34', and '2'. At the bottom, it states 'Process finished with exit code 0'. The bottom status bar shows '21:1 LF UTF-8 4 spaces Python 3.8 (pythonProject8)'.

```
Run: main
/home/student/PycharmProjects/pythonProject8/venv/bin/python /home/student/PycharmProjects/pythonProject8/main.py
9
9
88
11
11
32
alarm ring low
-16
-16
26
5
5
5
2
34
34
2
Process finished with exit code 0
```