

Assignment-2

Python Programming

Assignment Date	26 september 2022
Student Name	ANANDHI.S
Student Roll Number	510119106001
Maximum Marks	2 Marks

Question-1:

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.

PROGRAM:

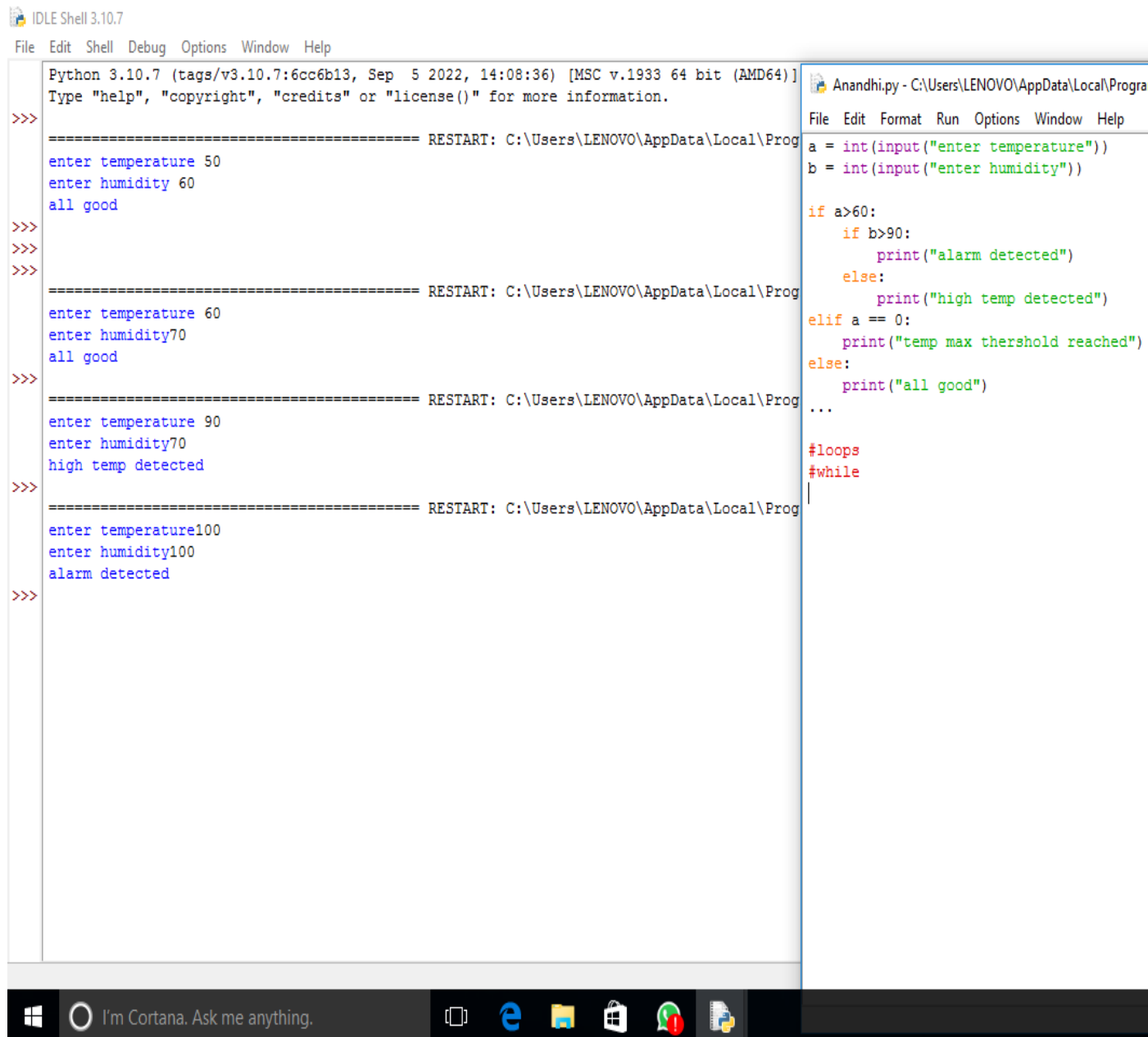
```
a = int(input("enter temperature"))
b = int(input("enter humidity"))

if a>60:
    if b>90:
        print("alarm detected")
    else:
        print("high temp detected")
elif a == 0:
    print("temp max thershold reached")
else:
    print("all good")

...

#loops
#while
```

OUTPUT:



The screenshot displays the Python IDLE environment. The left pane shows the IDLE Shell with the execution of a Python script. The right pane shows the Python Editor with the source code of the script.

IDLE Shell Output:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)]
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\python.exe
enter temperature 50
enter humidity 60
all good
>>>
>>>
>>>
===== RESTART: C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\python.exe
enter temperature 60
enter humidity 70
all good
>>>
===== RESTART: C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\python.exe
enter temperature 90
enter humidity 70
high temp detected
>>>
===== RESTART: C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\python.exe
enter temperature 100
enter humidity 100
alarm detected
>>>
```

Python Editor Code (Anandhi.py):

```
File Edit Format Run Options Window Help
a = int(input("enter temperature"))
b = int(input("enter humidity"))

if a > 60:
    if b > 90:
        print("alarm detected")
    else:
        print("high temp detected")
elif a == 0:
    print("temp max threshold reached")
else:
    print("all good")
...

#loops
#while
```