

ASSIGNMENT-2

QUESTION: 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.

PYTHON CODE:

```
import random temp=random.randint(1,100)
hum=random.randint(1,100)

temperature = int(input("please insert the temperature in celsius:"))
humidity = int(input("please insert the humidity of the air :")) if
temperature > 30:
    if humidity > 90:
        print("Its hot and humid")
        print("Alarm On")
    else:
        print("Its hot but not hamid")
        print("Alarm Off")
else:
    print("Its not hot")
    print("Alarm not detected")
```

OUTPUT:

A screenshot of the IDLE Shell 3.10.2 interface. The title bar reads "IDLE Shell 3.10.2". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area shows the following content: Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Sneha/Assignment_2.py =====
please insert the temperature in celsius:50
please insert the humidity of the air :95
Its hot and humid
Alarm On
>>>
The interface has a light gray background with a vertical scrollbar on the right side of the text area.