

## Assignment -2

Assignment Date	19 September 2022
Student Name	Sowmikaa K
Student Roll Number	611219106071
Maximum Marks	2 Marks

### Question:

Build a python code, assume you 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

while(True):

    t=random.randint(10,99)

    h=random.randint(10,99)

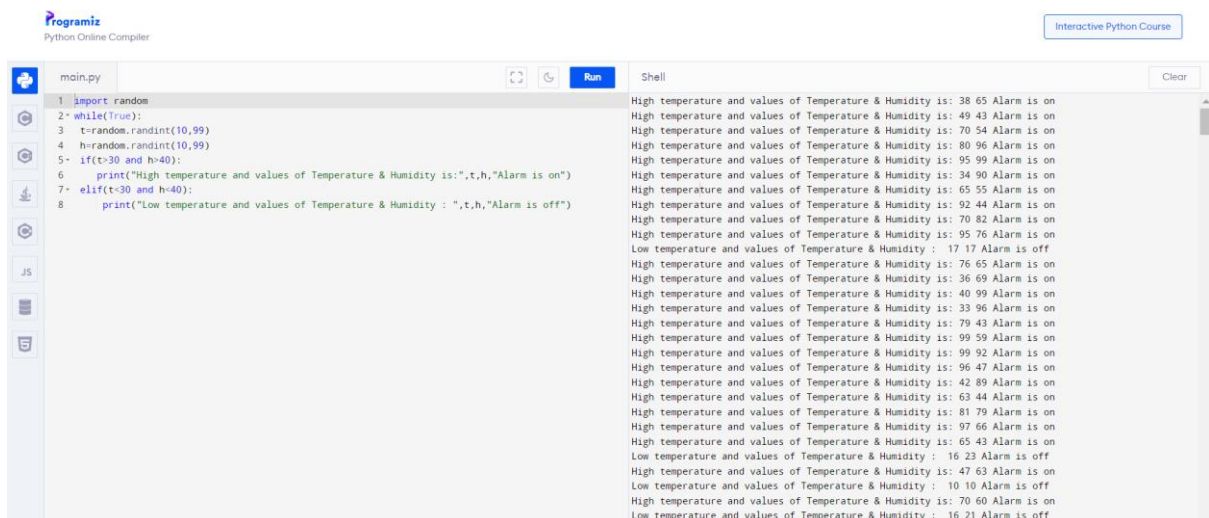
    if(t>30 and h>40):

        print("High temperature and values of Temperature & Humidity is:",t,h,"Alarm is on")

    elif(t<30 and h<40):

        print("Low temperature and values of Temperature & Humidity : ",t,h,"Alarm is off")
```

### Output:



The screenshot shows the Programiz Python Online Compiler interface. On the left, there's a sidebar with icons for file management and a 'main.py' file selected. The main area displays the Python code from the previous block. On the right, the 'Shell' tab shows the output of the program, which consists of multiple lines of text indicating 'Alarm is on' or 'Alarm is off' based on the random temperature and humidity values generated. The output includes values like 38 65, 49 43, 70 54, 80 96, 95 99, 34 90, 65 55, 92 44, 70 82, 95 76, 17 17, 76 65, 36 69, 40 99, 33 96, 79 43, 99 59, 99 92, 96 47, 42 89, 63 44, 81 79, 97 66, 65 43, 16 23, 47 63, 10 10, 70 60, and 16 21.