

## Assignment -2

Assignment Date	28 September 2022
Student Name	Gobinath G
Student Roll Number	611219106022
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):

    x=random.randint(10,99)

    y=random.randint(10,99)

    if(x>40 and y>70):

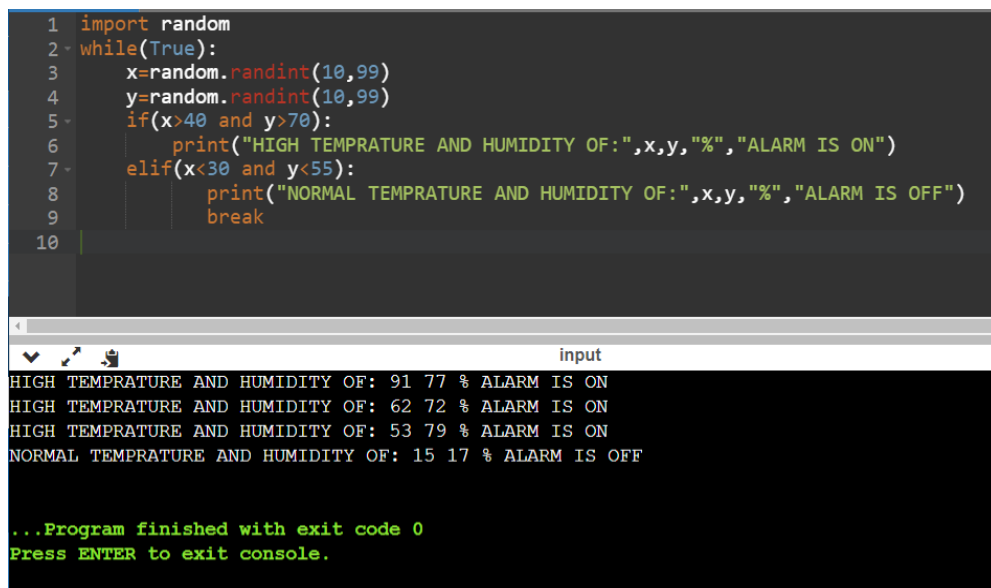
        print("HIGH TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS ON")

    elif(x<30 and y<55):

        print("NORMAL TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS OFF")

    break
```

### Output:

The image shows a screenshot of a Python code editor with a dark background. The code is written in a light-colored font. Below the code editor, there is a console window showing the output of the program. The output consists of four lines of text, each representing a random iteration of the program. The first three lines show 'HIGH TEMPRATURE AND HUMIDITY OF: 91 77 % ALARM IS ON', 'HIGH TEMPRATURE AND HUMIDITY OF: 62 72 % ALARM IS ON', and 'HIGH TEMPRATURE AND HUMIDITY OF: 53 79 % ALARM IS ON'. The fourth line shows 'NORMAL TEMPRATURE AND HUMIDITY OF: 15 17 % ALARM IS OFF'. At the bottom of the console, it says '...Program finished with exit code 0' and 'Press ENTER to exit console.'

```
1 import random
2 while(True):
3     x=random.randint(10,99)
4     y=random.randint(10,99)
5     if(x>40 and y>70):
6         print("HIGH TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS ON")
7     elif(x<30 and y<55):
8         print("NORMAL TEMPRATURE AND HUMIDITY OF:",x,y,"%","ALARM IS OFF")
9         break
10
```

input

HIGH TEMPRATURE AND HUMIDITY OF: 91 77 % ALARM IS ON  
HIGH TEMPRATURE AND HUMIDITY OF: 62 72 % ALARM IS ON  
HIGH TEMPRATURE AND HUMIDITY OF: 53 79 % ALARM IS ON  
NORMAL TEMPRATURE AND HUMIDITY OF: 15 17 % ALARM IS OFF

...Program finished with exit code 0  
Press ENTER to exit console.