

ASSIGNMENT 2

CODE:

```
import random

temp_startvalue=int(input("Enter the temp start value:"))
temp_endvalue=int(input("Enter the temp end value:"))
humid_startvalue=int(input("Enter the humid start value:"))
humid_endvalue=int(input("Enter the humid end value:"))

for i in range(0,20):

    n = random.randint(temp_startvalue,temp_endvalue)
    c=random.randint(humid_startvalue,humid_endvalue)

    print("\t")

    print(i+1,".Temperature is ",n,"degree")

    print(i+1,".Humidity value is ",c)

    if n>30 and c>30:

        print("Alarm is detected because of high temperature and
humidity")

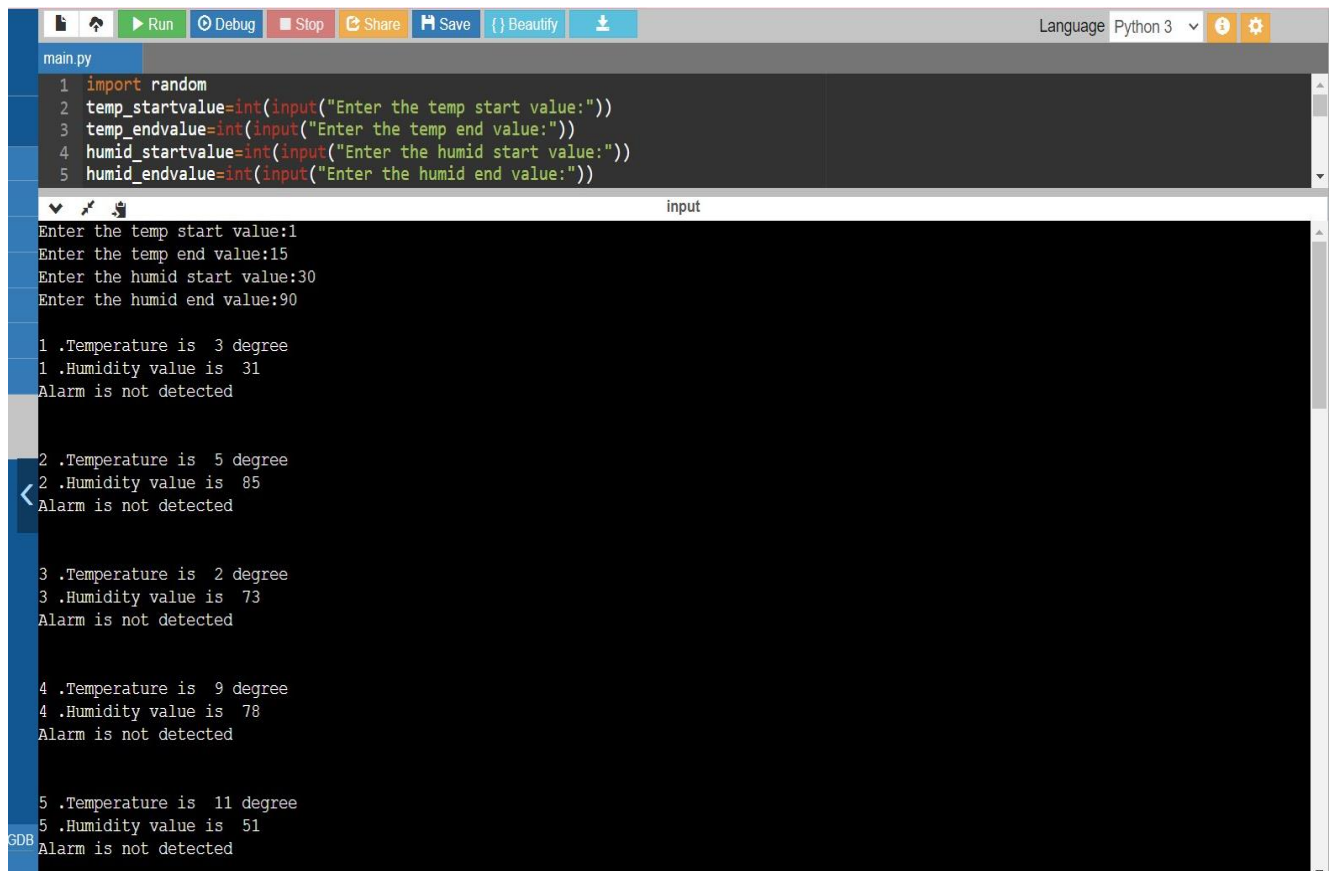
        print("\t")

    else:

        print("Alarm is not detected")

        print("\t");
```

OUTPUT:



The screenshot shows a Python IDE with a toolbar at the top containing icons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to Python 3. The editor displays a file named `main.py` with the following code:

```
1 import random
2 temp_startvalue=int(input("Enter the temp start value:"))
3 temp_endvalue=int(input("Enter the temp end value:"))
4 humid_startvalue=int(input("Enter the humid start value:"))
5 humid_endvalue=int(input("Enter the humid end value:"))
```

Below the code editor is an output window titled `input`. It displays the program's execution results, including user input and program output:

```
Enter the temp start value:1
Enter the temp end value:15
Enter the humid start value:30
Enter the humid end value:90

1 .Temperature is  3 degree
1 .Humidity value is  31
Alarm is not detected

2 .Temperature is  5 degree
2 .Humidity value is  85
Alarm is not detected

3 .Temperature is  2 degree
3 .Humidity value is  73
Alarm is not detected

4 .Temperature is  9 degree
4 .Humidity value is  78
Alarm is not detected

5 .Temperature is  11 degree
5 .Humidity value is  51
Alarm is not detected
```

The output window also shows a `GDB` icon on the left side.