

**SRI KRISHNA COLLEGE OF TECHNOLOGY**  
**IoT Based Smart Crop Protection System for Agriculture**  
**Assignment 2**

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Build a python code, to get temperature and humidity values and write a condition to continuously detect the values and alarm in case of high temperature or humidity

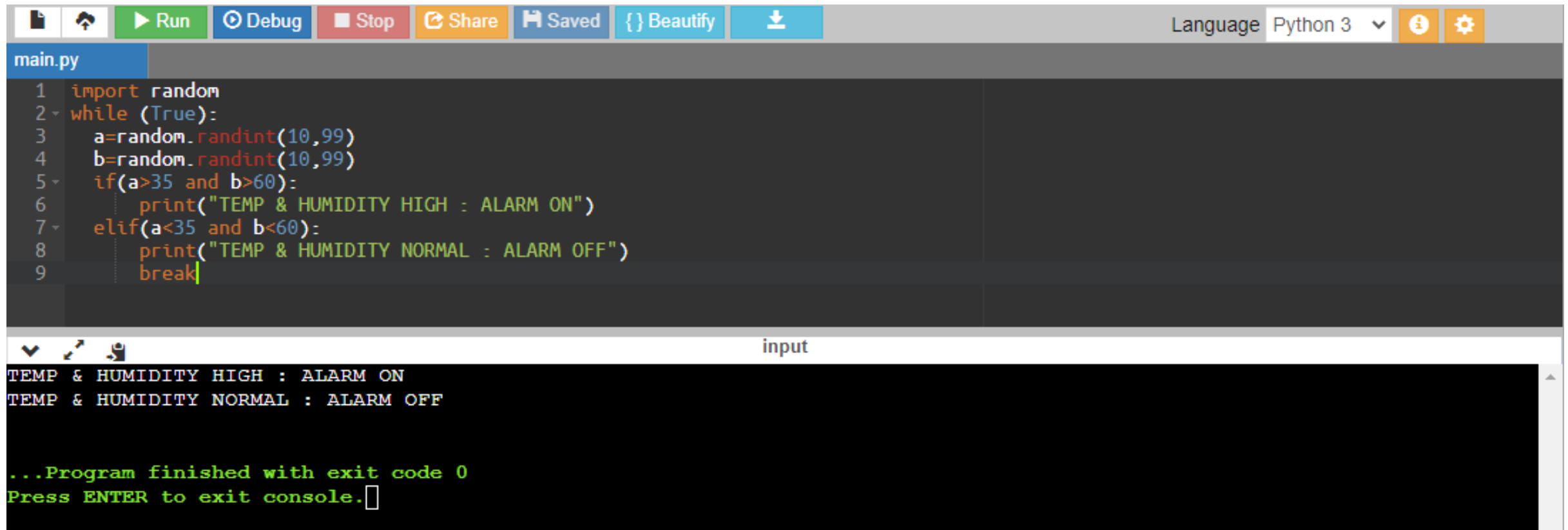
**Code:**

```
import random
while (True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("TEMP & HUMIDITY HIGH : ALARM ON")
    elif(a<35 and b<60):
        print("TEMP & HUMIDITY NORMAL : ALARM OFF")
        break
```

Code link:

<https://onlinegdb.com/Kj7zRLWzS>

Output:



The screenshot shows an online Python IDE interface. At the top, there is a toolbar with buttons for file operations (new, open, save), execution (Run, Debug, Stop), and sharing (Share, Beautify, Download). The language is set to Python 3. The main editor area displays a Python script in a dark-themed editor. The script is a simple loop that generates random temperature and humidity values and prints an alarm status based on those values. Below the editor, there is a console window showing the output of the program. The output shows two iterations of the loop: the first iteration prints 'TEMP & HUMIDITY HIGH : ALARM ON' and the second iteration prints 'TEMP & HUMIDITY NORMAL : ALARM OFF'. The program then finishes with an exit code of 0 and prompts the user to press ENTER to exit the console.

```
main.py
1 import random
2 while (True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("TEMP & HUMIDITY HIGH : ALARM ON")
7     elif(a<35 and b<60):
8         print("TEMP & HUMIDITY NORMAL : ALARM OFF")
9     break

input
TEMP & HUMIDITY HIGH : ALARM ON
TEMP & HUMIDITY NORMAL : ALARM OFF

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