

IBM-NALAYATHIRAN

DOMAIN-IOT

ASSIGNMENT 2- TEMPERATURE AND HUMIDITY  
SENSING AND ALARM AUTOMATION USING  
PYTHON

BY  
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## CODE:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b>60):

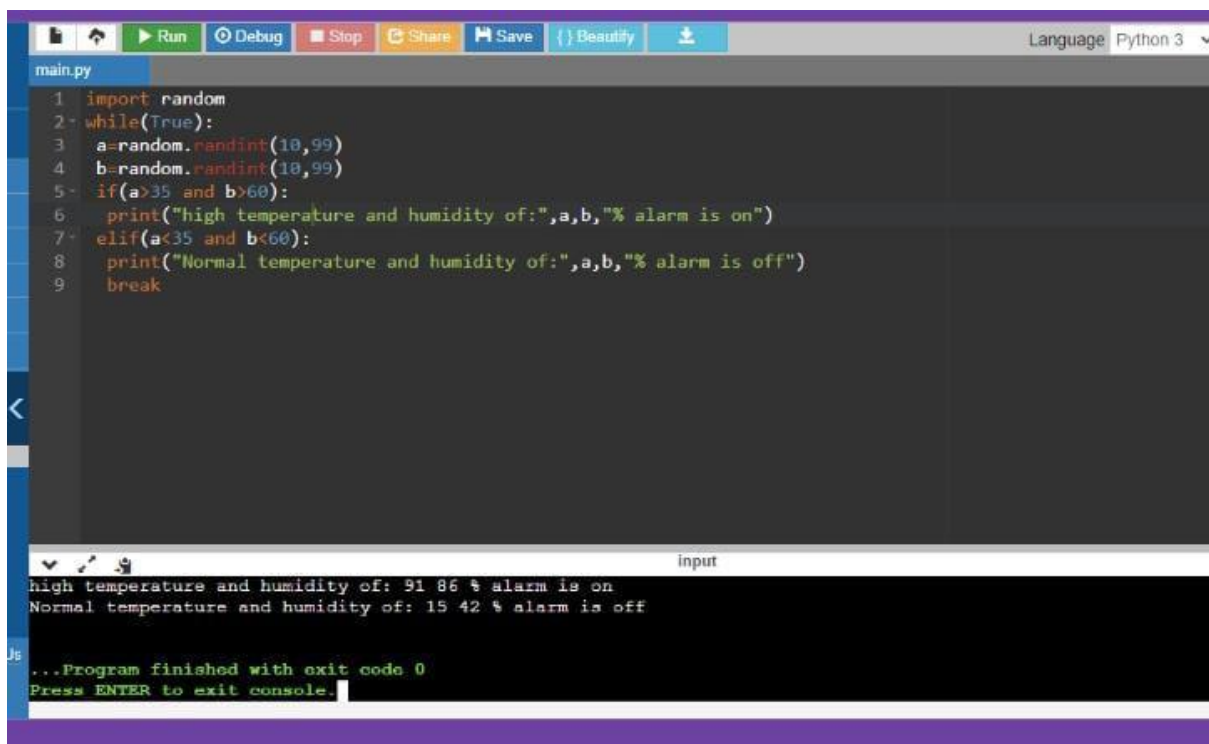
        print("high temperature and humidity of:",a,b,"% alarm is on")

    elif(a<35 and b<60):

        print("Normal temperature and humidity of:",a,b,"% alarm is off")

    break
```

## OUTPUT:

A screenshot of a Python IDE interface. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to Python 3. The editor window shows the code from the previous block. The output console at the bottom displays the results of the program's execution.

```
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("high temperature and humidity of:",a,b,"% alarm is on")
7     elif(a<35 and b<60):
8         print("Normal temperature and humidity of:",a,b,"% alarm is off")
9     break

input
high temperature and humidity of: 91 86 % alarm is on
Normal temperature and humidity of: 15 42 % alarm is off

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