

IBM-NALAYATHIRAN

DOMAIN-IOT

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

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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):

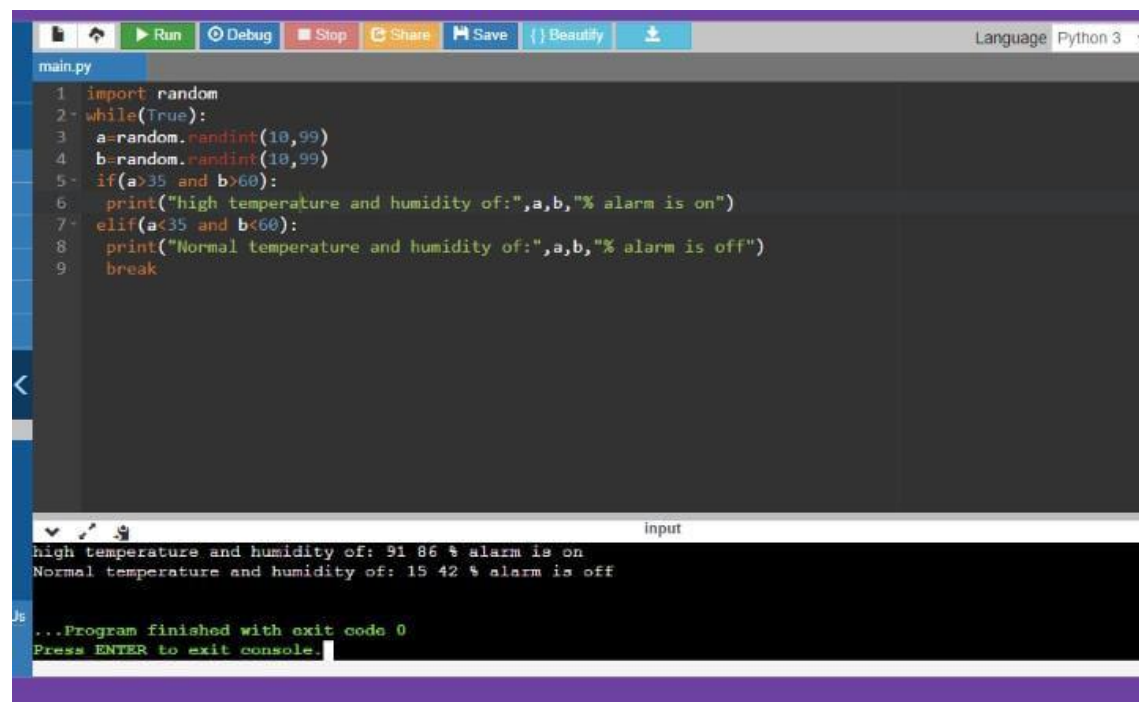
        print("high temperature and humidity of:",a,b,"% alarm is on")

    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, Beautify, and a download icon. The language is set to Python 3. The editor shows a file named 'main.py' with the following code:

```
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
```

The output console at the bottom shows the execution results:

```
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.
```