

# IBM-NALAIYA THIRAN

## DOMAIN-IOT

### Assignment 2

## TEMPRATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON

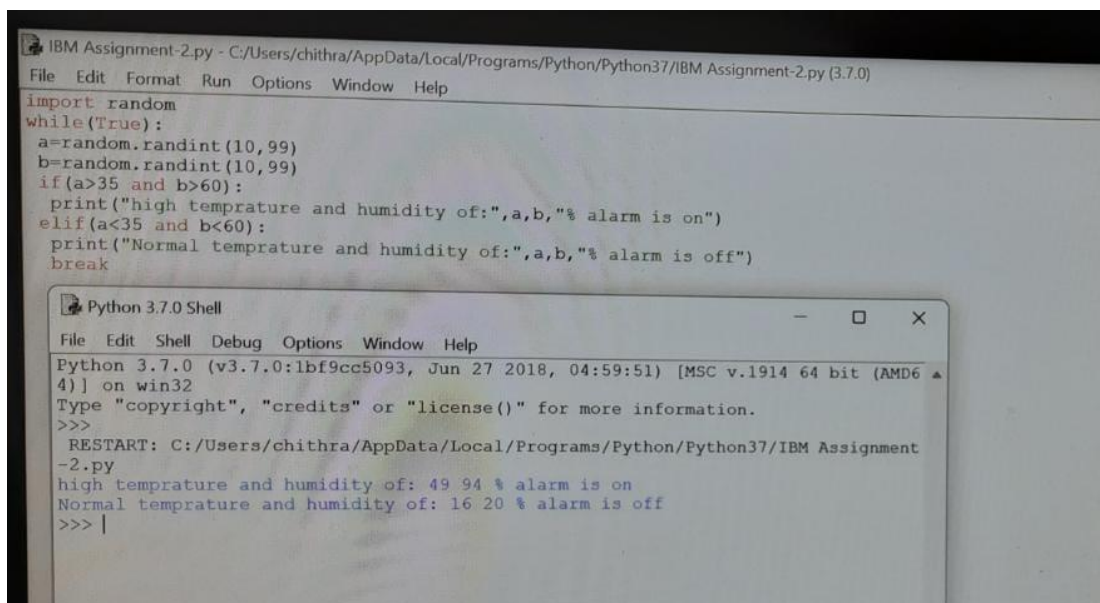
- A.Celsia Threas

-B4-4M6E

-960219106091

CODE:

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidity of:",a,b,"% alarm is on")
    elif(a<35 and b<60):
        print("Normal temprature and humidity of:",a,b,"% alarm is off")
    break
```



The screenshot displays a Python 3.7.0 IDE window titled 'IBM Assignment-2.py'. The code editor shows the same Python script as provided. Below the editor, a 'Python 3.7.0 Shell' window shows the execution output. The output indicates that the program ran successfully, printing 'high temprature and humidity of: 49 94 % alarm is on' and 'Normal temprature and humidity of: 16 20 % alarm is off'.

```
IBM Assignment-2.py - C:/Users/chithra/AppData/Local/Programs/Python/Python37/IBM Assignment-2.py (3.7.0)
File Edit Format Run Options Window Help
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidity of:",a,b,"% alarm is on")
    elif(a<35 and b<60):
        print("Normal temprature and humidity of:",a,b,"% alarm is off")
    break

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/chithra/AppData/Local/Programs/Python/Python37/IBM Assignment-2.py
high temprature and humidity of: 49 94 % alarm is on
Normal temprature and humidity of: 16 20 % alarm is off
>>> |
```