**IBM-Nallaiya Thiran Project**

**Assignment 1**

# TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON

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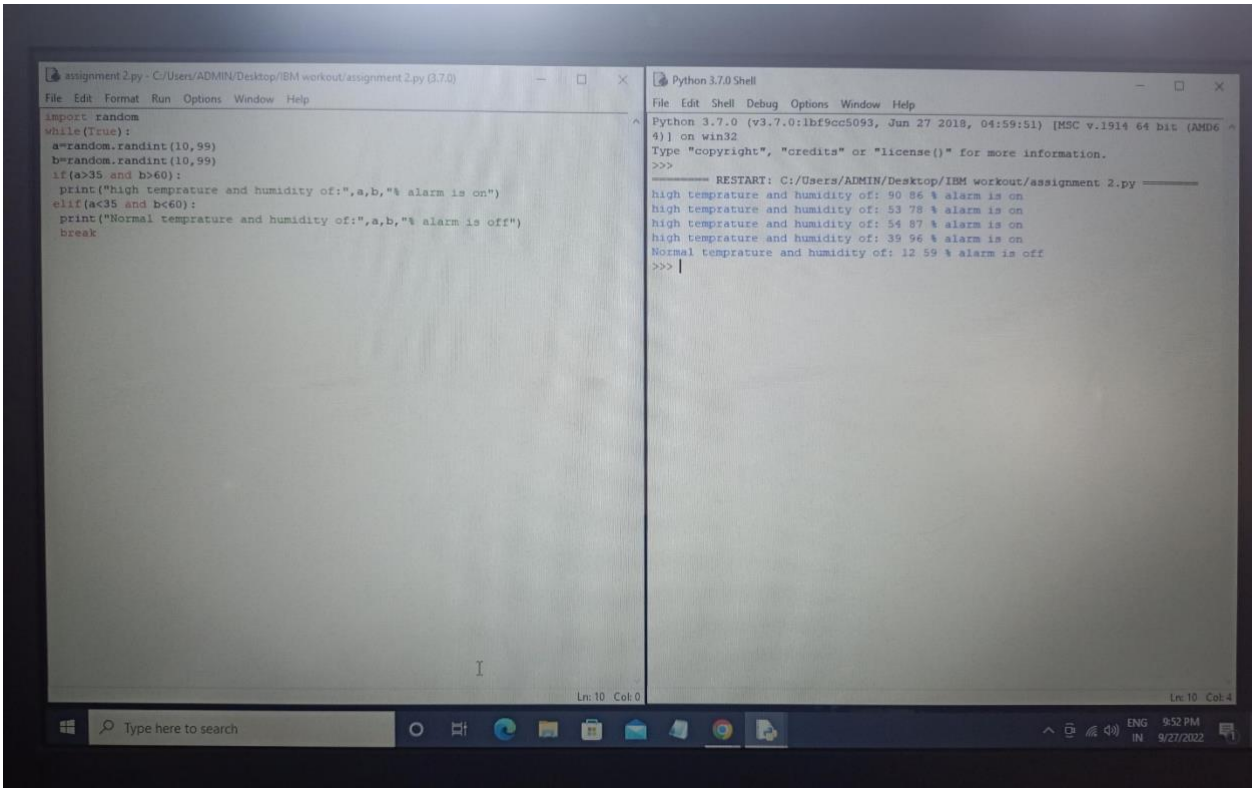
**Code:**

```
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 andb<60):
print(“Normal Temperature and humidity of:”,a,b,”%alarm is off”)
break
```

## Output:


assignment 2.py - C:/Users/ADMIN/Desktop/IBM workout/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
Ln: 10 Col: 0
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/ADMIN/Desktop/IBM workout/assignment 2.py ==========
high temprature and humidity of: 90 86 % alarm is on
high temprature and humidity of: 53 78 % alarm is on
high temprature and humidity of: 54 87 % alarm is on
high temprature and humidity of: 39 96 % alarm is on
Normal temprature and humidity of: 12 59 % alarm is off
>>>
Ln: 10 Col: 4
Type here to search
ENG
IN
9:52 PM
9/27/2022