**IBM-NALAIYATHIRAN**

**DOMAIN-IOT**

**ASSIGNMENT 2**

# TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON

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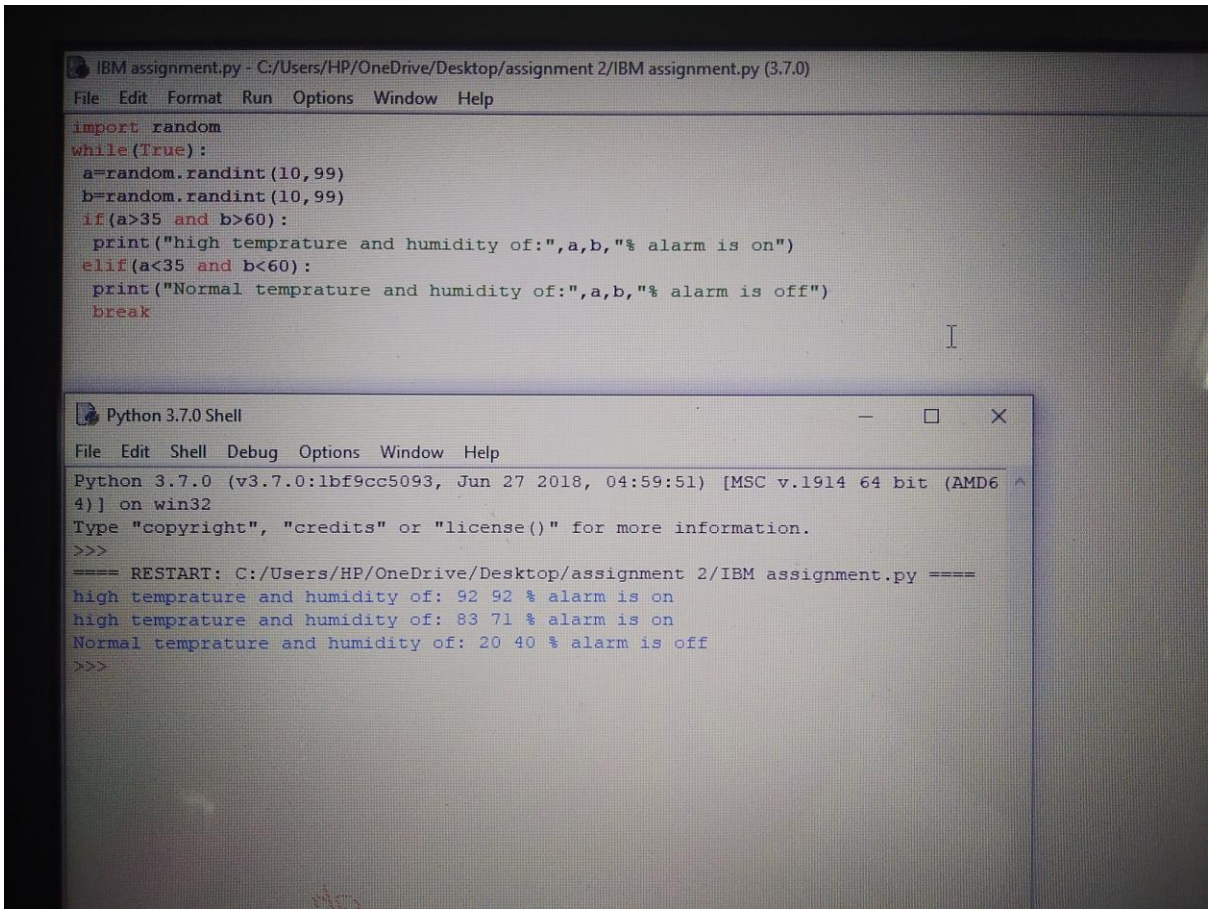
**CODE:**

```
import random

while(True):

 a=random.randint(10,99)

 b=random.randint(10,99)

 if(a>35 and b>60):

  print("high 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
```

**OUTPUT:**


IBM assignment.py - C:/Users/HP/OneDrive/Desktop/assignment 2/IBM assignment.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/HP/OneDrive/Desktop/assignment 2/IBM assignment.py ====
high temprature and humidity of: 92 92 % alarm is on
high temprature and humidity of: 83 71 % alarm is on
Normal temprature and humidity of: 20 40 % alarm is off
>>>