

IBM-NAALAIYA THIRAN PROJECT

Assignment 2

Submitted by,

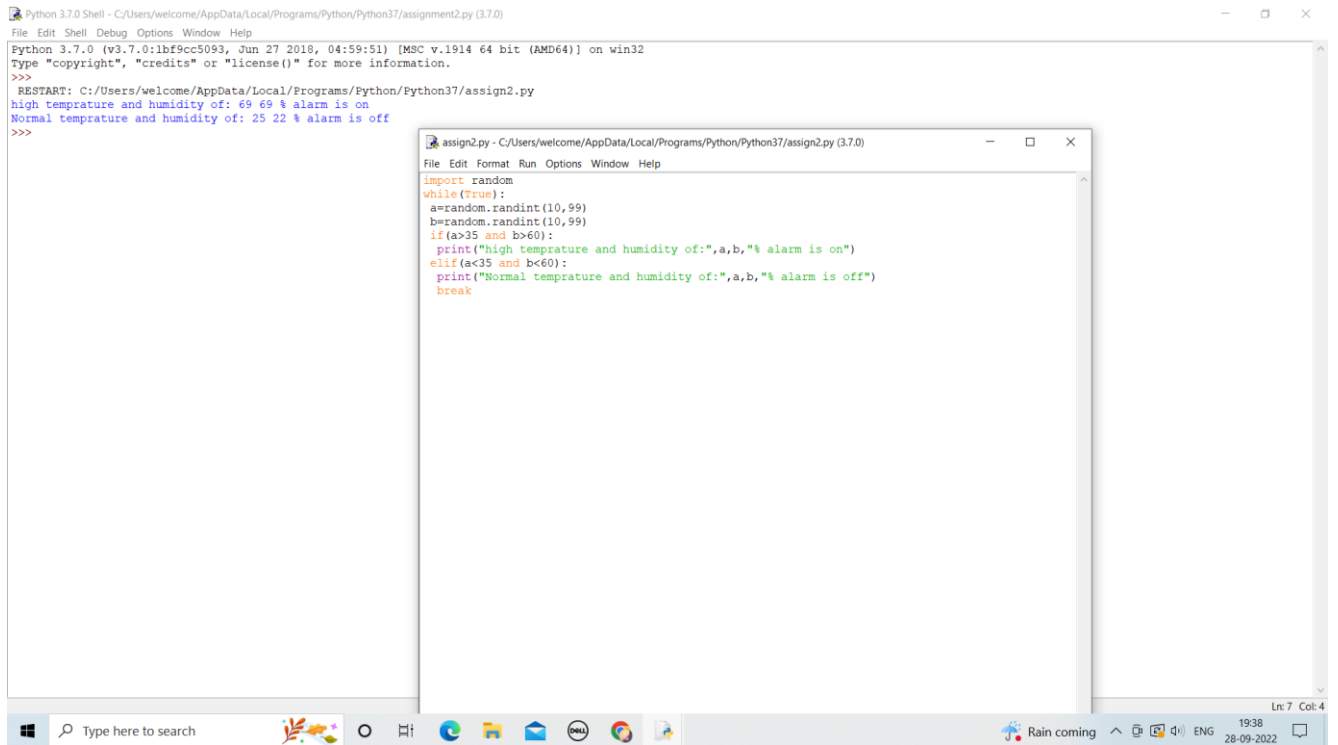
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CODE:

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high 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:



The screenshot shows a Windows desktop environment. In the background, a Python 3.7.0 Shell window is open, displaying the output of a program. In the foreground, a smaller window titled 'assign2.py' shows the source code of the program. The code uses the 'random' module to generate random values for temperature (a) and humidity (b) between 10 and 99. It then checks if both values are greater than 35 and 60 respectively. If so, it prints 'high temprature and humidity of: ', followed by the values and 'alarm is on'. Otherwise, it prints 'Normal temprature and humidity of: ', followed by the values and 'alarm is off'. The program uses a 'while(True):' loop to repeat this process.

```
Python 3.7.0 Shell - C:/Users/welcome/AppData/Local/Programs/Python/Python37/assignment2.py (3.7.0)
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/welcome/AppData/Local/Programs/Python/Python37/assign2.py
high temprature and humidity of: 69 69 % alarm is on
Normal temprature and humidity of: 25 22 % alarm is off
>>>
```

```
assign2.py - C:/Users/welcome/AppData/Local/Programs/Python/Python37/assign2.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
```

Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray on the right indicates 'Rain coming', the language is set to 'ENG', and the date is '28-09-2022'.