

ASSIGNMENT 2

Temperature and humidity sensing and alarm Automation using python

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
```

RunDebugStopShareSaveBeautify

Language Python 3

main.py

```
1
2 import random
3 while(True):
4     a=random.randint(10,100)
5     b=random.randint(10,100)
6     if(a>35 and b>70):
7         print("high temprature & humidity of:",a,b,"%","alarm ON")
8     elif(a<35 and b<70):
9         print("Normal temprature & humidity of:",a,b,"%","alarm OFF")
10        break
11
```

Input

```
high temprature & humidity of: 75 89 % alarm ON
high temprature & humidity of: 97 99 % alarm ON
high temprature & humidity of: 99 75 % alarm ON
Normal temprature & humidity of: 13 27 % alarm OFF

...Program finished with exit code 0
Press ENTER to exit console.
```