

IBM ASSIGNMENT-2

TOPIC : Assignment on temperature and humidity sensing and alarm automation using python

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SOURCE CODE:

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

OUTPUT:

```
main.py   Run
```

```
1 import random
2 while(True):
3     temperature=random.randint(10,99)
4     humidity=random.randint(10,99)
5     if(temperature>35 and humidity>60):
6         print("high temperature and humidity of:",temperature,humidity,"%","alarm is
          on")
7     elif(temperature<35 and humidity<60):
8         print("Normal temperature and humidity of:",temperature,humidity,"%","alarm
          is off")
9     break
```

```
Shell Clear
```

```
high temperature and humidity of: 65 96 % alarm is on
high temperature and humidity of: 41 70 % alarm is on
high temperature and humidity of: 88 76 % alarm is on
high temperature and humidity of: 60 98 % alarm is on
Normal temperature and humidity of: 11 12 % alarm is off
> |
```

