

```
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 and b<60):
```

```
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
```

```
    break
```

The image shows a screenshot of a Python IDE with two windows. The left window, titled 'humidityandtemp.py - C:/Python/Python3.10.7/humidityandtemp.py (3.10.7)', contains the following 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 and b<60):
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
        break
```

The right window, titled 'IDLE Shell 3.10.7', shows the output of the script after execution. It displays the following text:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: C:/Python/Python3.10.7/humidityandtemp.py =====
high temperature and humidity of: 69 90 % alarm is on
high temperature and humidity of: 63 72 % alarm is on
high temperature and humidity of: 76 93 % alarm is on
high temperature and humidity of: 51 68 % alarm is on
high temperature and humidity of: 79 62 % alarm is on
Normal temperature and humidity of: 33 38 % alarm is off
>>>
```

The status bar at the bottom right of the IDE shows 'Ln: 11 Col: 0'.