

Program:

```
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
```

OUTPUT:

Shell

```
high temperature and humidity of: 83 88 % alarm is on
high temperature and humidity of: 49 72 % alarm is on
high temperature and humidity of: 41 94 % alarm is on
high temperature and humidity of: 86 71 % alarm is on
high temperature and humidity of: 81 68 % alarm is on
high temperature and humidity of: 48 93 % alarm is on
high temperature and humidity of: 97 87 % alarm is on
high temperature and humidity of: 73 73 % alarm is on
high temperature and humidity of: 58 98 % alarm is on
Normal temperature and humidity of: 30 35 % alarm is off
> |
```