




Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously.

```
import random
a=random.randint (1,200)
b=random.randint (1,100)
print("random temperature and humidity reading")
print(a)
print(b)
```

```
if( (a>100) & (b<60)) :
    print("temperature is high:",a,"%")
    print ("humidity is high:",b,"%")
    print ("Alarm Detected")
elif( (a>100) & (b>60)):
    print("temperature is high:",a,"%")
    print ("humidity is low:",b,"%")
    print ("Alarm Detected")
```



main.py



Run

Shell

Clear

```
1 import random
2 a=random.randint (1,200)
3 b=random.randint (1,100)
4 print("random temperature and humidity reading")
5 print(a)
6 print(b)
7
8
9 if( (a>100) & (b<60)) :
10     print("temperature is high:",a,"%")
11     print ("humidity is high:",b,"%")
12     print ("Alarm Detected")
13 elif( (a>100) & (b>60)):
14     print("temperature is high:",a,"%")
15     print ("humidity is low:",b,"%")
16     print ("Alarm Detected")
```

```
random temperature and humidity reading
139
76
temperature is high: 139 %
humidity is low: 76 %
Alarm Detected
>
```