

DATE	28-09-2022
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BUILD A PYTHON CODE ,ASSUME YOU GOT TEMPERATURE AND HUMIDITY VALUES(GENERATING WITH RANDOM FUNCTION TO A VARIABLE )AND WRITE A CONDITION TO CONTINUOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE

**Code:**

```
import random

i=5

while(True):

    a=random.randint(10,100)

    b=random.randint(10,100)

    if(a>25 and b<75):

        print("High temperature and humidity of:",a,b)

        print("Alarm is on")

    elif(a<25 and b>75):

        print("Normal temperature and humidity of:",a,b)

        print("Alarm is off")

    if(i<55):

        i=i+1

        random

else:

    break
```

```
ass 2.py - C:\Users\agaram\AppData\Local\Programs\Python\Python37\ass 2.py (3.7.3)
File Edit Format Run Options Window Help

import random
i=5
while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>25 and b<75):
        print("High temperature and humidity of:",a,b)
        print("Alarm is on")
    elif(a<25 and b>75):
        print("Normal temperature and humidity of:",a,b)
        print("Alarm is off")
        if(i<55):
            i=i+1
            random
    else:
        break
```

```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help

Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 22:22:05) [MSC v.1916 64 bit (AMD6
4)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\agaram\AppData\Local\Programs\Python\Python37\ass 2.py ==
High temperature and humidity of: 31 50
Alarm is on
>>> |
```