

## ASSISGNMENT 2


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

```
Untitled - Notepad
File Edit View

import random
temp_value=random.randint(1,100)
humidity_value=random.randint(1,50)
print(temp_value)
print(humidity_value)
if((temp_value<45)&(humidity_value<35)):
    print("temperature is normal")
    print("humidity is normal")
elif((temp_value>45)&(humidity_value<35)):
    print("temperature is high")
    print("humidity is low")
elif((temp_value<45)&(humidity_value>35)):
    print("temperature is low")
    print("humidity is high")
elif((temp_value>45)&(humidity_value>35)):
    print("temperature is high")
    print("humidity is high")
else:
    print("temperature is very low")
    print("humidity is very low")
    print("Alarm off")

Ln 21, Col 23
```

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 main.py

Run

Shell

Clear

```
1 import random
2 temp_value=random.randint(1,100)
3 humidity_value=random.randint(1,50)
4 print(temp_value)
5 print(humidity_value)
6 if((temp_value<45)&(humidity_value<35)):
7     print("temperature is normal")
8     print("humidity is normal")
9 elif((temp_value>45)&(humidity_value<35)):
10    print("temperature is high")
11    print("humidity is low")
12 elif((temp_value<45)&(humidity_value>35)):
13    print("temperature is low")
14    print("humidity is high")
15 elif((temp_value>45)&(humidity_value>35)):
16    print("temperature is high")
17    print("humidity is high")
18 else:
19    print("temperature is very low")
20    print("humidity is very low")
21 print("Alarm off")
```

```
88
35
temperature is very low
humidity is very low
Alarm off
>
```