

## Assignment no - 2

Assignment Date	24 September 2022
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Maximum marks	2 marks

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.

Solution:

```
import time
import random
i=0
while (i<5):
    i=i+1
    time.sleep(1)
    temp=random.randint(0,30)
    humid=random.randint(1,100)
    if temp<=20:
        print(temp,"the temperature is low")
    elif temp<=30:
        print(temp,"the temperature is normal")
    else:
        print(temp,"the temperature is absolutely high")
    if humid<=60:
        print(humid,"the humidity is low")
    elif humid<=90:
        print(humid,"the humidity is normal")
    else:
        print(humid,"the humidity is definitely high")
```

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main.py

Run

```
1 import time
2 import random
3 i=0
4 while (i<5):
5     i=i+1
6     time.sleep(1)
7     temp=random.randint(0,30)
8     humid=random.randint(1,100)
9     if temp<=20:
10        print(temp,"the temperature is low")
11    elif temp<=30:
12        print(temp,"the temperature is normal")
13    else:
14        print(temp,"the temperature is absolutely high")
15    if humid<=60:
16        print(humid,"the humidity is low")
17    elif humid<=90:
18        print(humid,"the humidity is normal")
19    else:
20        print(humid,"the humidity is definitely high")
```

Shell

Clear

```
16 the temperature is low
23 the humidity is low
27 the temperature is normal
47 the humidity is low
11 the temperature is low
27 the humidity is low
26 the temperature is normal
42 the humidity is low
3 the temperature is low
2 the humidity is low
>
```

Type here to search

29°C Mostly clear

9:37 PM

23/09/2022