ASSIGNMENT-2

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

CODE:

```
'''
Let us consider normal temperature=30 Celsius and normal humidity=40%
'''
import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print(Temperature)
print(Humidity)
if((Temperature>30)&(Humidity>40)):
    print("Temperature and Humidity are HIGH!!! ")
    print("**ALARM ON**")
else:
    print("Temperature and Humidity are NORMAL!!! ")
    print("**ALARM OFF**")
```

OUTPUT:

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main.py   Run

```
1  '''
2  Let us consider normal temperature=30 Celsius and normal humidity=40%
3  '''
4  import random
5  Temperature=random.randint(1,100)
6  Humidity=random.randint(1,100)
7  print(Temperature)
8  print(Humidity)
9  if((Temperature>30)&(Humidity>40)):
10     print("Temperature and Humidity are HIGH!!! ")
11     print("**ALARM ON**")
12 else:
13     print("Temperature and Humidity are NORMAL!!! ")
14     print("**ALARM OFF**")
15
16
17
18
19
20
```

Shell   Clear

```
34
4
Temperature and Humidity are NORMAL!!!
**ALARM OFF**
>
```

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main.py   Run

```
1  '''
2  Let us consider normal temperature=30 Celsius and normal humidity=40%
3  '''
4  import random
5  Temperature=random.randint(1,100)
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7  print(Temperature)
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9  if((Temperature>30)&(Humidity>40)):
10     print("Temperature and Humidity are HIGH!!! ")
11     print("**ALARM ON**")
12 else:
13     print("Temperature and Humidity are NORMAL!!! ")
14     print("**ALARM OFF**")
15
16
17
18
19
20
```

Shell   Clear

```
92
83
Temperature and Humidity are HIGH!!!
**ALARM ON**
>
```