Assignment-2

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.

```
import random
import time
while True:
    Temperature=random.randint(0,200)
    Humidity=random.randint(0,100)
    if(Temperature>42):
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("HIGH TEMPERATURE")
        print("!!!!TURN ALARM ON!!!!")
        print('\n')
    else:
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("NORMAL TEMPERATURE",'\n')
    time.sleep(3)
```

```python
import random
import time
while True:
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    Humidity=random.randint(0,100)
    if(Temperature>42):
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("HIGH TEMPERATURE")
        print("!!!!TURN ALARM ON!!!!")
        print('\n')
    else:
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("NORMAL TEMPERATURE",'\n')
    time.sleep(3)
```

Python 3.7.0 Shell

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```
TEMPERATURE= 8
HUMIDITY= 60
NORMAL TEMPERATURE

TEMPERATURE= 45
HUMIDITY= 62
HIGH TEMPERATURE
!!!!TURN ALARM ON!!!!

TEMPERATURE= 71
HUMIDITY= 30
HIGH TEMPERATURE
!!!!TURN ALARM ON!!!!

TEMPERATURE= 101
HUMIDITY= 27
HIGH TEMPERATURE
!!!!TURN ALARM ON!!!!

TEMPERATURE= 121
HUMIDITY= 63
HIGH TEMPERATURE
!!!!TURN ALARM ON!!!!

TEMPERATURE= 127
HUMIDITY= 65
HIGH TEMPERATURE
!!!!TURN ALARM ON!!!!

TEMPERATURE= 16
HUMIDITY= 85
NORMAL TEMPERATURE
```

Ln: 5 Col: 0

```python
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while True:
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    if(Temperature>42):
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("HIGH TEMPERATURE")
        print("!!!!TURN ALARM ON!!!!")
        print('\n')
    else:
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("NORMAL TEMPERATURE",'\n')
```

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```
TEMPERATURE= 71
```