

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(0,180)
    Humidity=random.randint(0,150)
    if(Temperature>50 and Humidity>50):
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("!!HIGH TEMPERATURE!!")
        print("ALARM IS ON")
        print('\n')
    else:
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("NORMAL TEMPERATURE",'\n')
    time.sleep(3)
```

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    else:
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("NORMAL TEMPERATURE",'\n')
    time.sleep(3)
```

Python 3.7.0 Shell

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```
TEMPERATURE= 127
HUMIDITY= 61
!!HIGH TEMPERATURE!!
ALARM IS ON

TEMPERATURE= 56
HUMIDITY= 42
NORMAL TEMPERATURE

TEMPERATURE= 90
HUMIDITY= 44
NORMAL TEMPERATURE

TEMPERATURE= 35
HUMIDITY= 40
NORMAL TEMPERATURE

TEMPERATURE= 161
HUMIDITY= 51
!!HIGH TEMPERATURE!!
ALARM IS ON

TEMPERATURE= 63
HUMIDITY= 137
!!HIGH TEMPERATURE!!
ALARM IS ON

TEMPERATURE= 150
HUMIDITY= 11
NORMAL TEMPERATURE

TEMPERATURE= 9
HUMIDITY= 98
NORMAL TEMPERATURE
```

Ln: 5 Col: 0