IBM PROJECT

ASSIGNMENT 2

INDUSTRY SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

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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.

Code:

```
import random
import time
while True:
    Temperature=random.randint(0,100)
    Humidity=random.randint(0,100)
    if(Temperature>40):
        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("!!HIGH TEMPERATURE!!")
        print("ALARM IS ON") print('\n')
    else:
print("TEMPERATURE=",Temperature)

print("HUMIDITY=",Humidity) Execution
```

Screenshot:

```python
import random
import time
while True:
    Temperature=random.randint(0,100)
    Humidity=random.randint(0,100)
    if(Temperature>40):
        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(5)
```

Python 3.7.0 Shell

```
ALARM IS ON


TEMPERATURE= 95
HUMIDITY= 76
!!HIGH TEMPERATURE!!
ALARM IS ON


TEMPERATURE= 93
HUMIDITY= 2
!!HIGH TEMPERATURE!!
ALARM IS ON


TEMPERATURE= 50
HUMIDITY= 53
!!HIGH TEMPERATURE!!
ALARM IS ON


TEMPERATURE= 87
HUMIDITY= 51
!!HIGH TEMPERATURE!!
ALARM IS ON


TEMPERATURE= 9
HUMIDITY= 19
NORMAL TEMPERATURE

TEMPERATURE= 30
HUMIDITY= 70
NORMAL TEMPERATURE

TEMPERATURE= 24
HUMIDITY= 1
NORMAL TEMPERATURE
```

Ln: 5 Col: 0

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import random
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        print("TEMPERATURE=",Temperature)
        print("HUMIDITY=",Humidity)
        print("!!HIGH TEMPERATURE!!")
        print('\n')
    else:
```

Python 3.7.0 Shell