IBM ASSIGNMENT NO : 2

Build a python code ,Assume you 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.

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BATCH:B3-3M5E

CODE:

```python
import random
def temp(k):
    if c>0 and c<44.0:
        print("the temperature is : ",c,"which is safe")
        print("correct temperature")
    elif c<0:
        print("the temperature is",c,"which is too low")
        print("danger: LOW TEMPERATURE!!!")
    elif c>44.0:
        print("the temperature is",c,"which is too high")
        print("danger:HIGH TEMPERATURE!!!")
c=random.randint(-22.0,60.0)
temp(c)
```
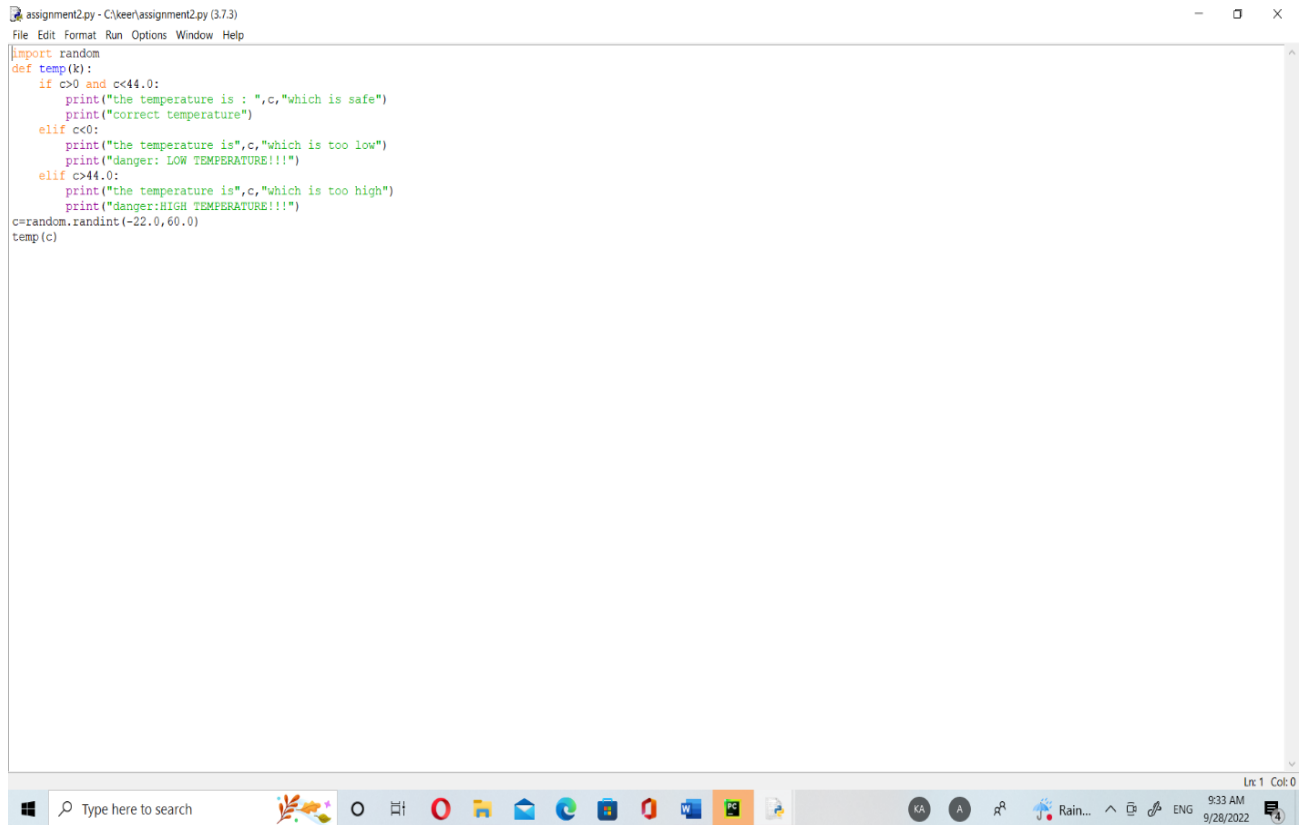
OUTPUT:

the temperature is -16 which is too low

danger: LOW TEMPERATURE!!!

the temperature is : 11 which is safe

correct temperature

the temperature is 54 which is too high

danger:HIGH TEMPERATURE!!!

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```python
import random
def temp(k):
    if c>0 and c<44.0:
        print("the temperature is : ",c,"which is safe")
        print("correct temperature")
    elif c<0:
        print("the temperature is",c,"which is too low")
        print("danger: LOW TEMPERATURE!!!")
    elif c>44.0:
        print("the temperature is",c,"which is too high")
        print("danger:HIGH TEMPERATURE!!!")
c=random.randint(-22.0,60.0)
temp(c)
```

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```
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===================== RESTART: C:\keer\assignment2.py =====================
the temperature is -16 which is too low
danger: LOW TEMPERATURE!!!
>>>
===================== RESTART: C:\keer\assignment2.py =====================
the temperature is :  11 which is safe
correct temperature
>>>
===================== RESTART: C:\keer\assignment2.py =====================
the temperature is 54 which is too high
danger:HIGH TEMPERATURE!!!
>>>
```