ASSIGHNMENT 2
Python code for temperature and humidity

Assignment Date	14 November 2022
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Student Roll Number	512219104005
Maximum Marks	2 Marks

Question:

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:

#Assignment 2

```
import time
i=0
while(i<=0):
    i=i+1
    time.sleep(1)

    import random
```

```python
temperature = random.randint(0,90)
humidity = random.randint(1,500)
if temperature <= 10:
    print(temperature, "Temperature is low")
elif temperature <= 30:
    print(temperature, "Temperature is normal")
else:
    print(temperature, "Temperature is high")
if humidity <= 25:
    print(humidity, "Humidity is low")
elif humidity <= 45:
    print(humidity,"Humidity is normal")
else:
    print(humidity, "Humidity is low")
```

Assignment 2.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/Assignment 2.p...

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```python
#Assignment 2

import time
i=0
while(i<=0):
    i=i+1
    time.sleep(1)

    import random
    temperature = random.randint(0,90)
    humidity = random.randint(1,500)
    if temperature <= 10:
        print(temperature, "Temperature is low")
    elif temperature <= 30:
        print(temperature, "Temperature is normal")
    else:
        print(temperature, "Temperature is high")
    if humidity <= 25:
        print(humidity, "Humidity is low")
    elif humidity <= 45:
        print(humidity,"Humidity is normal")
    else:
        print(humidity, "Humidity is low")
```

IDLE Shell 3.10.2

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```
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12
:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for
more information.
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python
/Python310/Assignment 2.py
89 Temperature is high
448 Humidity is low
>>>
```