Assignment -2
python Programming

Assignment Date	27 September 2022
Student Name	G.Harini
Student Roll Number	821219104008
Maximum Marks	2 Marks

Question-1:

Built a python code ,Assume and 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.

Solution:

```python
a = int (input("Enter Temperature :"))

b = int (input("Enter Humidity :"))

if a <64 and b < 30:

 print("Low")

else:

 print("Normal")

while a >78 and b > 50:

    print("high Temperature")
```

First screenshot (top)

Code editor — Assignment-2.py - C:/Users/ELCOT/Desktop/python/Assignment-2.py (3.10.7)

```python
a = int (input("Enter Temperature :"))
b = int (input("Enter Humidity :"))

if a <64 and b < 30:
 print("Low")
else:
  print("Normal")
while a >78 and b > 50:
     print("high Temperature")
```

IDLE Shell 3.10.7

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
============ RESTART: C:/Users/ELCOT/Desktop/python/Assignment-2.py ============
Enter Temperature :40
Enter Humidity :15
Low
============ RESTART: C:/Users/ELCOT/Desktop/python/Assignment-2.py ============
Enter Temperature :78
Enter Humidity :50
Normal
```

Second screenshot (bottom)

Code editor — Assignment-2.py - C:/Users/ELCOT/Desktop/python/Assignment-2.py (3.10.7)

```python
a = int (input("Enter Temperature :"))
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============ RESTART: C:/Users/ELCOT/Desktop/python/Assignment-2.py ============
Enter Temperature :40
Enter Humidity :15
Low
============ RESTART: C:/Users/ELCOT/Desktop/python/Assignment-2.py ============
Enter Temperature :78
Enter Humidity :50
Normal
============ RESTART: C:/Users/ELCOT/Desktop/python/Assignment-2.py ============
Enter Temperature :80
Enter Humidity :60
```

File Edit Format Run Options Window Help

```
a = int (input("Enter Temperature :"))
b = int (input("Enter Humidity :"))

if a <64 and b < 30:
 print("Low")
else:
  print("Normal")
while a >78 and b > 50:
    print("high Temperature")
```

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