Assignment 6.1 – Displaying Matrix Using Array	
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```cpp
#include <iostream>
#include <iomanip>
using namespace std;
int main()
{


    int Matrix[2][2];
    cout << "Enter the data for 2x2: " << "\n";
    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            cin >> Matrix[i][j];
        }
    }
    cout << "\n" << setw(12) << "2x2 Matrix" << "\n";
    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            cout << setw(5)<<Matrix[i][j];
        }
        cout << "\n" << endl;
    }

    int Array[3][3];
    cout << "Enter the data for 3x3: " << "\n";
    for (int x = 0; x < 3; x++)
```

```cpp
int Array[3][3];
...
cout << "Enter the data for 3x3: " << "\n";
for (int x = 0; x < 3; x++)
{
    for (int y = 0; y < 3; y++)
    {
        cin >> Array[x][y];
    }
}
cout << "\n" << setw(12) << "3x3 Matrix" << "\n";
for (int x = 0; x < 3; x++)
{
    for (int y = 0; y < 3; y++)
    {
        cout << setw(5) << Array[x][y];
    }
    cout << "\n" << endl;
}
}
```

```
Enter the data for 2x2:
0
8
0
1

  2x2 Matrix
     0    8

     0    1

Enter the data for 3x3:
1
0
3
3
2
0
9
1
4

  3x3 Matrix
     1    0    3

     3    2    0

     9    1    4
```

Conclusion:

In this activity, it requires me to create a program that will make the user input the data for 2x2 and 3x3 matrix using multi-dimensional array. As you can see in my output, there's a space for the 2x2 and 3x3 matrix. For that, I've used the setw() function which stands for set width. To be able to use that function, I've included the iomanip library.

I affirm that I will not give or receive any unauthorized help in this activity/exam and all work will be my own.