3/10/2019 C# Jagged Arrays

C# - JAGGED ARRAYS

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A Jagged array is an array of arrays. You can declare a jagged array named scores of type int as –

```
int [][] scores;
```

Declaring an array, does not create the array in memory. To create the above array –

```
int[][] scores = new int[5][];
for (int i = 0; i < scores.Length; i++) {
    scores[i] = new int[4];
}</pre>
```

You can initialize a jagged array as –

```
int[][] scores = new int[2][]{new int[]{92,93,94},new int[]{85,66,87,88}};
```

Where, scores is an array of two arrays of integers - scores[0] is an array of 3 integers and scores[1] is an array of 4 integers.

Example

The following example illustrates using a jagged array –

Live Demo

When the above code is compiled and executed, it produces the following result –

```
a[0][0]: 0
a[0][1]: 0
a[1][0]: 1
a[1][1]: 2
a[2][0]: 2
a[2][1]: 4
a[3][0]: 3
a[3][1]: 6
a[4][0]: 4
a[4][1]: 8
```