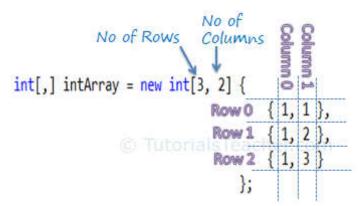
Multi-dimensional Array:

We have learned about single dimensional arrays in the previous section. C# also supports multi-dimensional arrays. A multi-dimensional array is a two dimensional series like rows and columns.

Example: Multi-dimensional Array:

As you can see in the above example, multi dimensional array is initialized by giving size of rows and columns. [3,2] specifies that array can include 3 rows and 2 columns.

The following figure shows a multi-dimensional array divided into rows and columns:



Multi-dimensional Array

The values of a multi-dimensional array can be accessed using two indexes. The first index is for the row and the second index is for the column. Both the indexes start from zero.

Example: Access Multi dimensional Array

Try it

In the above example, intArray[2,1] returns 3. Here, 2 means the third row and 1 means the second column (rows and columns starts with zero index).