class TestArraysClass

{

 static void Main()

 {

 // Declare a single-dimensional array

 int[] array1 = new int[5];

 // Declare and set array element values

 int[] array2 = new int[] { 1, 3, 5, 7, 9 };

 // Alternative syntax

 int[] array3 = { 1, 2, 3, 4, 5, 6 };

 // Declare a two dimensional array

 int[,] multiDimensionalArray1 = new int[2, 3];

 // Declare and set array element values

 int[,] multiDimensionalArray2 = { { 1, 2, 3 }, { 4, 5, 6 } };

 // Declare a jagged array

 int[][] jaggedArray = new int[6][];

 // Set the values of the first array in the jagged array structure

 jaggedArray[0] = new int[4] { 1, 2, 3, 4 };

 }

}