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 };

}

}