using System;

namespace InterfaceDemo

{

class Program

{

public void Show(params int[] val) // Params Paramater

{

for (int i = 0; i < val.Length; i++)

{

Console.WriteLine(val[i]);

}

}

public static void Main(string[] args)

{

int[,] arr1 = { { 1, 2, 3 }, { 4, 5, 6 }, { 7, 8, 9 } };// 2-d array

int[] arr = new int[5];//creating array

arr[0] = 43;

arr[1] = 20;

arr[2] = 30;

arr[3] = 40;

arr[4] = 18;

int[][] arr2 = new int[2][];// Declare the jagged array

Console.WriteLine("Param arrays:- ");

arr2[0] = new int[] { 11, 21, 56, 78 };// Initialize the jagged array

Program obj = new Program(); // Creating Object

obj.Show(2, 4, 6, 8, 10, 12, 14);

arr2[1] = new int[] { 42, 61, 37, 41, 59, 63 };

Console.WriteLine("array min method:- ");

printMin(arr);

for (int i = 0; i < arr.Length; i++)

{

Console.WriteLine(arr[i]);

}

Console.WriteLine("-------------------");

Console.WriteLine("2-d array:- ");

Console.WriteLine("-------------------");

for (int i = 0; i < 3; i++)

{

for (int j = 0; j < 3; j++)

{

Console.Write(arr1[i, j] + " ");

}

Console.WriteLine();

}

Console.WriteLine("-------------------");

Console.WriteLine("Jagged array:- ");

Console.WriteLine("-------------------");

for (int i = 0; i < arr2.Length; i++)

{

for (int j = 0; j < arr2[i].Length; j++)

{

System.Console.Write(arr2[i][j] + " ");

}

System.Console.WriteLine();

}

Console.WriteLine("-------------------");

Console.WriteLine("-------------------");

void printMin(int[] arr)

{

int min = arr[0];

for (int i = 1; i < arr.Length; i++)

{

if (min > arr[i])

{

min = arr[i];

}

}

Console.WriteLine("Minimum element is: " + min);

}

}

}

}

