```csharp
using System;

class Program
{
    public static void Main()
    {
        Console.Write("Enter number of elements: ");
        int n = int.Parse(Console.ReadLine());

        int[] arr = new int[n];
        Console.WriteLine("Enter the elements:");
        for (int i = 0; i < n; i++)
        {
            arr[i] = int.Parse(Console.ReadLine());
        }

        // Bubble sort logic
        for (int i = 0; i < n - 1; i++)
        {
            for (int j = 0; j < n - i - 1; j++)
            {
                if (arr[j] > arr[j + 1])
                {
                    // Swap elements
                    int temp = arr[j];
                    arr[j] = arr[j + 1];
                    arr[j + 1] = temp;
                }
            }
        }

        Console.WriteLine("Sorted array:");
        for (int i = 0; i < n; i++)
        {
            Console.Write(arr[i] + " ");
        }
        Console.WriteLine();
    }
}
```