using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleCollections

{

 static class ExtensionMethods

 {

 public static void SortReverse<T>(this List<T> list)//метод для сортировки по убыванию

 {

 list.Sort();

 list.Reverse();

 }

 public static double ItemAverage(this List<int> list)

 {

 int sum = 0;

 foreach (var item in list) sum += item;

 return sum / list.Count;

 }

 public static double ItemAverage(this List<double> list)

 {

 double sum = 0;

 foreach (var item in list) sum += item;

 return sum / list.Count;

 }

 public static int ItemSum(this List<int> list)

 {

 int sum = 0;

 foreach (var item in list) sum += item;

 return sum;

 }

 public static double ItemSum(this List<double> list)

 {

 double sum = 0;

 foreach (var item in list) sum += item;

 return sum;

 }

 }

}