// var list = new List<string>{ "A","C", "B", "A", "E", "D","A","B" };

// var list2 = new List<string> { "first1", "second2", "third3", "fourth4", "fifth5","fifth5" };

/\* var newlist = list.Select(x =>x.Contains("e"));\*/

/\*int i = 1;

var newlist = list.Select(x => $"{i++}.{x}");\*/

/\*var newlist = list.OrderBy(x => x.Contains("1")).ThenBy(x=>x).Skip(1);

Console.WriteLine(string.Join(" ",newlist));\*/

/\* var newlist = list.GroupBy(g => g).Where(g => g.Count() > 1).Select(g=>g.Key);

Console.WriteLine(string.Join(" ",newlist));\*/

/\*Parallel.Invoke(

() =>

{

Console.WriteLine(list[0]);

},

() =>

{

Console.WriteLine(list[1]);

},

() =>

{

Console.WriteLine(list[2]);

}

);\*/

// Enumerable.Range(0, 3).AsParallel().ForAll(x => { });

/\*List<int>num = new List<int>() { 4,10,6,8,5,4,7,10,9,10};

var num2 = from n in num

where n % 2 == 0

where n > 2

orderby n

select n;

var num3 = from n in num2

where n > 6

group n by n into grouped

select grouped;

Console.WriteLine(string.Join(" ", num2));

Console.WriteLine(string.Join(" ",num3.Select(x => x.Key)));

\*/

List<int>list = new List<int>() { 1,2,3,4,5,8,11,12,13,8,8,18};

var num = from n in list

group n by n % 10;

foreach (IGrouping<int,int> key in num )

{

Console.WriteLine($"Key ={key.Key}");

foreach(int i in key)

Console.WriteLine($"counts ={i}");

}

еще пример

List<int>list = new List<int>() { 1,2,3,4,5,8,11,12,13,8,8,18};

var num = from n in list

group n by n % 2==0;

foreach (IGrouping<bool,int> key in num )

{

Console.WriteLine($"Key ={key.Key}");

foreach(int i in key)

Console.WriteLine($"counts ={i}");

}

Console.WriteLine();

var num2 = from n in list

where n % 2 == 0

group n by n into grouped

select grouped;

foreach(IGrouping<bool,int> key in num)

{

Console.WriteLine(key.Key);

foreach(var d in key)

{

Console.WriteLine(d);

}

}