**Largest pair sum in array**

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C#

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Given an array of numbers, find the largest pair sum in the array.

For example

[10,14,2,23,19] should return 42 (i.e. sum of 23,19)

[99,2,2,23,19] should return 122 (i.e. sum of 99,23)

Input array contains minimum two elements and every element is a number.

<https://www.codewars.com/kata/556196a6091a7e7f58000018/solutions/csharp>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

public static int LargestPairSum(int[] numbers)

{

List<int> lista = numbers.ToList();

int max1 = numbers.Max();

lista.Remove(max1);

int max2 = lista.Max();

return max1 + max2;

}

public class Kata

{

public static int LargestPairSum(int[] numbers)

{

int max = int.MinValue;

int second = int.MinValue;

foreach (int n in numbers)

{

if (n > max)

{

second = max;

max = n;

}

else if (n > second)

{

second = n;

}

}

return max + second;

}

}

static void Main(string[] args)

{

//int[] arr = { 10, 14, 2, 23, 19 }; //42

//Console.WriteLine(LargestPairSum(arr));

int[] arr = new int[] { -8, -8, -16, -18, -19 }; //-16

Console.WriteLine(LargestPairSum(arr));

Console.ReadLine();

}

}

}