**6 kyu**

**Largest Number Arrangement**

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Python

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Create a function that takes a list of one or more non-negative integers, and arranges them such that they form the largest possible number.

Examples:

largestArrangement([4, 50, 8, 145]) returns 8504145 (8-50-4-145)

largestArrangement([4, 40, 7]) returns 7440 (7-4-40)

largestArrangement([4, 46, 7]) returns 7464 (7-46-4)

largestArrangement([5, 60, 299, 56]) returns 60565299 (60-56-5-299)

largestArrangement([5, 2, 1, 9, 50, 56]) returns 95655021 (9-56-5-50-21)

<https://www.codewars.com/kata/largest-number-arrangement/python>

def largest\_arrangement(numbers):

n = len(numbers)

for i in range(0, n-1):

for j in range(i+1, n):

a = int(str(numbers[i])+ str(numbers[j]))

b = int(str(numbers[j])+ str(numbers[i]))

if a < b:

temp = numbers[i]

numbers[i] = numbers[j]

numbers[j] = temp

ans = ""

for elem in numbers:

ans += str(elem)

return int(ans)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp2

{

class Program

{

static int Comparar(string a, string b)

{

if (a.Length > b.Length) return 1;

else if (b.Length > a.Length) return -1;

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

{

if (a[i] > b[i])

{

return 1;

}

else if (b[i] > a[i])

{

return -1;

}

}

return 0;

}

static void bubbleSort(string[] arr)

{

int n = arr.Length;

//List<string> lista = new List<string>();

for (int i = 0; i < n - 1; i++)

{

for (int j = i + 1; j < n; j++)

{

string a = arr[i] + arr[j];

string b = arr[j] + arr[i];

if(Comparar(a, b) < Comparar(b,a) )

{

string temp = arr[i];

arr[i] = arr[j];

arr[j] = temp;

}

}

}

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

}

static void Main(string[] args)

{

//string[] s = {

//"6",

//"31415926535897932384626433832795",

//"1",

//"3",

//"10",

//"3",

//"5"};

string[] s = { "7", "78", "79", "72", "709", "7", "94" };

//94 79 78 7 7 72 709

bubbleSort(s);

Console.ReadLine();

}

}

}