**6 kyu**

**String Integer Greater-than**

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C#

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You are to write a function, stringIntGreaterThan that must accept arguments, each being the string representation of an positive or negative integer of any length (could contain a thousand digits, or more; also, integers will not have leading zeros).

The function should then return true if the first argument is greater than the second argument, false if not.

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static bool StringIntGreaterThan(string a, string b)

{

if(a[0] == '-' && b[0] != '-')

{

return false;

}

if (a[0] != '-' && b[0] == '-')

{

return true;

}

if (a[0] != '-' && b[0] != '-')

{

if (a.Length < b.Length) return false;

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

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

{

if (int.Parse(a[i].ToString()) >

int.Parse(b[i].ToString()))

{

return true;

}

else if (int.Parse(a[i].ToString()) <

int.Parse(b[i].ToString()))

{

return false;

}

}

return false; //son iguales

}

if (a.Length < b.Length) return true ;

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

for (int i = 1; i <a.Length; i++)

{

if (int.Parse(a[i].ToString()) <

int.Parse(b[i].ToString()))

{

return true;

}

else if (int.Parse(a[i].ToString()) >

int.Parse(b[i].ToString()))

{

return false ;

}

}

return false;

}

// Driver code

public static void Main()

{

string a = "-305";

string b = "-1024";

Console.WriteLine(StringIntGreaterThan(a, b));

Console.ReadLine();

}

}

}