Remove extra white-spaces from the given string.

Example

For input = " abc   a aa  a a ", the output should be  
formatString(input) = "abc a aa a a".

Input/Output

* **[execution time limit] 3 seconds (cs)**
* **[input] string input**

input consisting of lowercase English letters and an arbitrary number of white-spaces.

*Guaranteed constraints:*  
4 ≤ input.length ≤ 20.

* **[output] string**
  + Formatted string in which there are no leading or trailing white-spaces and each pair of consecutive words is separated by exactly 1 white-space.

<https://app.codesignal.com/challenge/HgBofcHuXvcNj6TEq>

using System;

using System.Collections.Generic;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static string formatString(string input)

{

input = input.Trim();

string concat = "";

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

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

{

if (input[i] != ' ')

{

concat += input[i];

}

else

{

if (concat.Trim() != "")

{

lista.Add(concat);

}

concat = "";

}

}

if (concat != "")

{

lista.Add(concat);

}

//foreach (string item in lista)

//{

// Console.Write(item + " ");

//}

//Console.WriteLine();

return string.Join(" ", lista.ToArray());

}

static void Main(string[] args)

{

string input = " abc a aa a a ";

Console.WriteLine(formatString(input));

Console.ReadLine();

}

}

}