The letters "A", "B", "C", "D" and "E" are the early letters in the alphabet (and fairly common), and the letters "V", "W", "X", "Y", "Z" are the late letters in the alphabet. To generate a summary of a line, remove any other characters asides from the above 10 letters (case-insensitive), then convert ABCDEinto uppercase and vwxyz into lowercase.

**Example**  
For line = "Hello World", the output should be  
convolutedSummary(line) = "EwD".

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] string line**

A sentence. It composes of letters and non-letters.

*Guaranteed constraints:*  
0 ≤ line.length ≤ 1000.

* **[output] string**

The (highly convoluted) summary of the sentence. It retains ABCDEVWXYZ from the source sentence and they are ported to the corresponding letter casing.

**[C#] Syntax Tips**

// Prints help message to the console

// Returns a string

string helloWorld(string name) {

Console.Write("This prints to the console when you Run Tests");

return "Hello, " + name;

}

<https://codefights.com/challenge/nivKPN9nai3bMGC35/solutions>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static string convolutedSummary(string line)

{

char[] l = line.ToLower().ToCharArray();

string p = "abcde";

string f = "vwxyz";

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

{

if (!p.Contains(l[i]) && !f.Contains(l[i]))

{

//line.Remove(l[i]);

l[i] = ' ';

}

else

{

if (p.Contains(l[i]))

{

l[i] = char.ToUpper(l[i]);

}

else

{

l[i] = char.ToLower(l[i]);

}

}

}

string s = new string(l);

s = s.Replace(" ", "");

return s;

}

static void Main(string[] args)

{

string line = "Hello World";

Console.WriteLine(convolutedSummary(line));

Console.ReadLine();

}

}

}