

Calculate the max count of continuous characters

```
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using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace SDFL.Helper
{
    public class StrHelper
    {
        ///

        /// a function to calculate the max count of continuous
        characters.
        /// For example, input "abb" and it will return 2, input
        "abbbcc" and it will return 3, etc..
        ///
        ///
        /// [Dylan] 08/17/2009 Fix bug, if max list exist in the end,
        can't got it. e.g. "affddcccc"
        /// [Dylan] 08/17/2009 Fix bug, if only one continuous list,
        and in the end, DupList is null, e.g. "aff"
        /// [Dylan] 08/17/2009 Fix bug, if only one char. e.g "a"
        ///
        /// /// max count of continuous characters
        public static Int32 MaxofDupCharacter(string str)
        {
            int length = str.Length;
            bool isDup = false;
            int iPre = 0;
            int iLatter = 1;
            List DupList = new List();
```

```
// [Dylan] 08/17/2009 Fix bug, if only one char. e.g "a"
if (str.Length == 1)
return 1;

for (int i = 0; i < length -1; i++) { if (str[iLatter] ==
str[iPre]) { isDup = true; // [Dylan] 08/17/2009 Fix bug, if
only one continuous list, and in the end, DupList is null,
e.g. "aff" if (iLatter == length -1 && DupList.Count == 0) {
DupList.Add(iLatter - iPre + 1); } // [Dylan] 08/17/2009 Fix
bug, if max list exist in the end, can't got it. e.g.
"affddccccc" // if true, it indicate that end region is still
a continuous list. if (iPre< iLatter -1) { DupList.Add(iLatter
- iPre+1); } } else { if (isDup) { DupList.Add(iLatter -
iPre); } isDup = false; iPre = iLatter; } iLatter++; } return
int.Parse(DupList.Max().ToString()); } } } [/csharp]
```