

Char.IsLowSurrogate(), IsHighSurrogate(), IsSurrogatePair() method

```
using System;
```

```
class Sample
```

```
{  
public static void Main()  
{  
char cHigh = 'uD800';  
char cLow = 'uDC00';  
string s1 = new String(new char[] {'a', 'uD800', 'uDC00',  
'z'});  
Console.WriteLine("cHigh: {0:X4}", (int)cHigh);  
Console.WriteLine("cLow: {0:X4}", (int)cLow);  
for(int i = 0; i < s1.Length; i++){ Console.WriteLine("{0:X4}  
", (int)s1[i]); } Console.WriteLine("cLow? - {0}",  
Char.IsHighSurrogate(cLow)); Console.WriteLine("cHigh? - {0}",  
Char.IsHighSurrogate(cHigh)); Console.WriteLine("s1[0]? -  
{0}", Char.IsHighSurrogate(s1, 0)); Console.WriteLine("s1[1]?  
- {0}", Char.IsHighSurrogate(s1, 1)); Console.WriteLine("cLow?  
- {0}", Char.IsLowSurrogate(cLow)); Console.WriteLine("cHigh?  
- {0}", Char.IsLowSurrogate(cHigh)); Console.WriteLine("s1[0]?  
- {0}", Char.IsLowSurrogate(s1, 0)); Console.WriteLine("s1[2]?  
- {0}", Char.IsLowSurrogate(s1, 2)); Console.WriteLine("cHigh  
and cLow? - {0}", Char.IsSurrogatePair(cHigh, cLow));  
Console.WriteLine("s1[0] and s1[1]? - {0}",  
Char.IsSurrogatePair(s1, 0)); Console.WriteLine("s1[1] and  
s1[2]? - {0}", Char.IsSurrogatePair(s1, 1));  
Console.WriteLine("s1[2] and s1[3]? - {0}",  
Char.IsSurrogatePair(s1, 2)); } } [/csharp]
```