

# CharacterRun

## Description

The `CharacterRun` class represents a contiguous run of characters in the document, all of which have the same formatting.

**C#**

```
public sealed class CharacterRun : Element
```

**vb.net**

```
Public NotInheritable Class CharacterRun  
    Inherits Element
```

## Remarks

To insert a new character run into a document, use `Element.InsertTextBefore()` or `Element.InsertTextAfter()`. To get an existing character run, use `Element.GetElements(Element.Type.CharacterRun)` or `Element.Children` and check which elements are of type `Element.Type.CharacterRun`.

The following sample demonstrates inserting a new character run into a document and retrieving the first character run from an existing document.

## Examples

**C#**

```
//--- Insert a character run at the end of the document  
WordApplication app = new WordApplication();  
Document doc = app.Create();  
CharacterRun run = doc.InsertTextAfter("Hello world!", true);  
  
//--- Get the first character run of an existing document  
WordApplication app = new WordApplication();  
Document doc = app.Open(@"C:\sample.doc");  
CharacterRun firstCharRun =  
    (CharacterRun)doc.GetElements(Element.Type.CharacterRun)[0];
```

## vb.net

```
'--- Insert a character run at the end of the document
Dim app As New WordApplication()
Dim doc As Document = app.Create()
Dim run As CharacterRun = doc.InsertTextAfter("Hello world!", True)

'--- Get the first character run of an existing document
Dim app As New WordApplication()
Dim doc As Document = app.Open("C:\sample.doc")
Dim firstCharRun As CharacterRun = _
    doc.GetElements(Elements.Type.CharacterRun)(0)
```

## Properties

Name	Description
<a href="#">Deleted</a>	Returns a <code>boolean</code> that represents if this character run was deleted with revision tracking on.
<a href="#">DeletedBy</a>	Returns a <code>String</code> that represents the name of the author who deleted the text in this character run (if revision tracking was on when it was deleted -- Deleted returns true).
<a href="#">DeletedTime</a>	Returns a <code>DateTime</code> object that represents the date and time the text in this character run was deleted (if revision tracking was on when it was deleted -- Deleted returns true).
<a href="#">Font</a>	Sets or returns a font for the <a href="#">CharacterRun</a> .
<a href="#">ModifiedBy</a>	Returns a <code>String</code> that represents the name of the author who inserted the text in this character run (if revision tracking was on when it was modified).
<a href="#">ModifiedTime</a>	Returns a <code>DateTime</code> object that represents the date and time the text in this character run was inserted (if revision tracking was on when it was modified).
<a href="#">New</a>	Returns a <code>boolean</code> that represents if this character run was added while revision tracking was turned on.
<a href="#">PropertiesChangedBy</a>	Returns a <code>String</code> that represents the name of the author who modified the properties of this character run.
<a href="#">PropertiesChangedTime</a>	Returns a <code>DateTime</code> object that represents the date and time the properties of this character run were modified.
<a href="#">Style</a>	Sets or Returns a <a href="#">NamedStyle</a> object that represents the Style of this character run.