

# Font

## Description

The `Font` class is used to specify formatting that should be applied to a character run. It also represents the fonts of named styles in the document.

### C#

```
public sealed class Font
```

### vb.net

```
Public NotInheritable Class Font
```

## Remarks

There are two ways to obtain an instance of this class. The `Document.CreateFont()` method creates a new `Font` object based on the Normal style. Alternately, using `NamedStyle.Font`, you can create a `Font` object that is a copy of a particular style's font. The `Font` object that is returned can then be used in conjunction with methods in the `Element` class to create character runs, paragraphs, etc, with specific fonts.

The following example demonstrates both ways of getting a font, first by retrieving the Normal style's font from the document, second by retrieving a copy of the Heading1 style's font.

## Examples

### C#

```
//--- Get Normal font from Document
WordApplication app = new WordApplication();
Document doc = app.Create();
Font normalFont = doc.CreateFont();

//--- Get font from Heading1 Style
WordApplication app = new WordApplication();
Document doc = app.Create();
Font heading1Font = doc.Styles[NamedStyle.BuiltIn.Heading1].Font;
```

## vb.net

```
'--- Get Normal font from Document
Dim app As New WordApplication()
Dim doc As Document = app.Create()
Dim normalFont As Font = doc.CreateFont()

'--- Get font from Heading1 Style
Dim app As New WordApplication()
Dim doc As Document = app.Create()
Dim heading1Font As Font = doc.Styles(NamedStyle.BuiltIn.Heading1).Font
```

## Properties

Name	Description
<a href="#">Animation</a>	Sets or returns a <a href="#">Font.TextAnimation</a> object that represents the text animation for a character run.
<a href="#">Bold</a>	Sets or returns a <code>boolean</code> that represents if a character run is bolded.
<a href="#">Border</a>	Returns a <a href="#">Border</a> object on which you can manipulate the border properties of a character run.
<a href="#">Caps</a>	Sets or returns a <code>boolean</code> that represents if a character run has the All caps effect, formatting lowercase text as capital letters and reducing their size. All caps formatting does not affect numbers, punctuation, non-alphabetic characters, or uppercase letters.
<a href="#">CharacterScaling</a>	Sets or returns an <code>int</code> that represents the character scaling, stretching or compressing text horizontally as a percentage of its current size. <code>CharacterScaling</code> can be set to a value between 1 and 600 percent. Values beyond these will be automatically adjusted.
<a href="#">CharacterSpacing</a>	Sets or returns an <code>int</code> that represents the spacing between characters in a character run in twips. One twip = (1/20 pt) or ( 1/1440 in). This number can be negative (decreased spacing) or positive (increased spacing).
<a href="#">DoubleStrike</a>	Sets or returns a <code>boolean</code> that represents if a character run has the Double strikethrough effect, displaying a double line through the text.
<a href="#">Embossed</a>	Sets or returns a <code>boolean</code> that represents if a character run has the Emboss effect, displaying the text as if it is raised off the page in relief.
<a href="#">Engraved</a>	Sets or returns a <code>boolean</code> that represents if a character run has the Engrave effect, making the text to be imprinted or pressed into the page.
<a href="#">FontName</a>	Sets or returns a <code>String</code> that represents the name of the font used in this formatting.
<a href="#">FontSize</a>	Sets or returns an <code>float</code> that represents the font size for a character run. The font size will always be a multiple of 0.5.
<a href="#">Hidden</a>	Sets or returns a <code>boolean</code> that represents if a character run has the Hidden effect set. If set to true, this font will only be displayed when the display hidden flag is turned on for the containing document.

Highlight	Sets or returns the highlight color for a character run as a <code>Color</code> object.
HyphenationRule	Sets or returns a <code>Font.Hyphenation</code> object that represents the hyphenation rule for a character run.
Italic	Sets or returns a <code>boolean</code> that represents if a character run is italicized.
Kerning	Sets or returns a <code>double</code> that represents the kerning threshold for a character run in points.
NoProofChecking	Sets or returns a <code>boolean</code> that represents if Word will not perform grammar and spell checking on a character run when the document is opened.
Outlined	Sets or returns a <code>boolean</code> that represents if a character run has the the Outline effect, displaying the inner and outer borders of each character. (This effect is not available for all fonts.)
Shading	Returns a <code>Shading</code> object which on which you can manipulate the shading (fill color and/or pattern) properties of a character run.
Shadow	Sets or returns a <code>boolean</code> that represents if a character run has the Shadow effect, displaying a shadow behind, beneath and to the right of each character.
SmallCaps	Sets or returns a <code>boolean</code> that represents if a character run has the Small caps effect, formatting lowercase text as capital letters and reducing their size. Small caps formatting does not affect numbers, punctuation, non-alphabetic characters, or uppercase letters.
SuperSubScript	Sets or returns a <code>ScriptType</code> object that represents whether the text in this formatting is set to superscript, subscript, or none.
Strike	Sets or returns a <code>boolean</code> that represents if a character run has the Strikethrough effect, displaying a single line through the text.
TextColor	Sets or returns the color of the text in a character run as a <code>Color</code> object.
Underline	Sets or returns a <code>Font.UnderlineType</code> object that represents the underline type for this formatting.
UnderlineColor	Sets or returns the underline color for a character run as a <code>Color</code> object.
VerticalPosition	Sets or returns a <code>double</code> that represents the vertical position for a character run in half points, lowering or raising the text in relation to the baseline. (For example, 2 points would be 4 half points.)

## Nested Classes

Name	Description
Hyphenation	Types of hyphenation rules that can be applied to a character run.
ScriptType	Values used to represent whether a character run is formatting as superscript, subscript, or neither.
TextAnimation	Types of text animation that can be set on a character run.
UnderlineType	Types of underlines that can be applied to a character run.