**How to draw complex script text (Arabic, Hindi, and Tamil) in a PDF Document**

The Syncfusion Essential® PDF is a feature-rich and high-performance [**.NET PDF library**](https://www.syncfusion.com/document-processing/pdf-framework/net) used to create, read, and edit PDF documents programmatically without Adobe dependencies. Using this library, you can draw complex script text such as Arabic, Hindi, Tamil, and more in a PDF document using C#.

**Steps to draw the complex script text in a PDF document programmatically:**

1. Create a new console application project.A screenshot of a computer

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2. Install the **[Syncfusion.Pdf.Net.Core](https://www.nuget.org/packages/Syncfusion.Pdf.Net.Core" \t "_blank)** NuGet package as a reference to your console application from [**Nuget.org**](https://www.nuget.org/).

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1. Include the following namespaces in the Program.cs file.

**C#**

using **Syncfusion**.Pdf;

using **Syncfusion**.Pdf.Graphics;

using **Syncfusion**.Drawing;

1. Use the following code sample in Program.cs to draw the complex script text in a PDF document.

**C#**

//Create a new PDF document.

**PdfDocument** document = **new** **PdfDocument**();

//Add a page.

**PdfPage** page = document.Pages.**Add**();

//Initialize the PDF page graphics.

**PdfGraphics** graphics = page.Graphics;

// Open a file stream.

**FileStream** fontStream = **new** **FileStream**(@"../../../NirmalaB.ttf", **FileMode**.Open, **FileAccess**.Read);

// Create a PdfTrueTypeFont object.

**PdfFont** font = **new** **PdfTrueTypeFont**(fontStream, 14);

**FileStream** arabicFontStream = **new** **FileStream**(@"../../../arial.ttf", **FileMode**.Open, **FileAccess**.Read);

// Create a PdfTrueTypeFont object.

**PdfFont** arabicFont = **new** **PdfTrueTypeFont**(arabicFontStream, 14);

// Create a PdfStringFormat object for text formatting.

**PdfStringFormat** format = **new** **PdfStringFormat**();

// Enable complex script support for the string format.

format.ComplexScript = true;

//Draw the Tamil text to page graphics.

graphics.**DrawString**("பேசுதல்", font, **PdfBrushes**.Black, **new** **RectangleF**(0, 0, page.**GetClientSize**().Width, page.**GetClientSize**().Height), format);

//Draw the Hindi text to page graphics.

graphics.**DrawString**("मेरा नाम है दिनेश", font, **PdfBrushes**.Black, **new** **RectangleF**(0, 50, page.**GetClientSize**().Width, page.**GetClientSize**().Height), format);

//Draw the Arabic text to page graphics.

graphics.**DrawString**("مرحبا", arabicFont, **PdfBrushes**.Black, **new** **RectangleF**(0, 100, page.**GetClientSize**().Width, page.**GetClientSize**().Height), format);

//Creating the stream object.

**MemoryStream** stream = **new** **MemoryStream**();

//Save the PDF document to stream.

document.**Save**(stream);

// Write the content of the memory stream to an output PDF file.

**File**.**WriteAllBytes**("Output.pdf", stream.**ToArray**());

//Close the document.

document.**Close**(true);

A complete working sample can be downloaded from [**Add\_complex\_script\_text\_in\_PDF.zip**](https://support.syncfusion.com/agent/).

By executing the program, you will get the PDF document as follows.A screenshot of a computer

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Take a moment to peruse the documentation for [**working with Text**](https://help.syncfusion.com/file-formats/pdf/working-with-text), where you can find the other options like drawing right-to-left text, multicolumn text, consuming TrueType fonts, Standards fonts, and CJK fonts.

Click [**here**](https://www.syncfusion.com/document-processing/pdf-framework/net)to explore the rich set of Syncfusion Essential® PDF features.