

How to generate word document with barcodes with barcode sdk in C# with ByteScout Premium Suite

Continuous learning is a crucial part of computer science and this tutorial shows how to generate word document with barcodes with barcode sdk in C#

This sample source code below will display you how to generate word document with barcodes with barcode sdk in C#. ByteScout Premium Suite: the set that includes 12 SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording. It can generate word document with barcodes with barcode sdk in C#.

The SDK samples given below describe how to quickly make your application do generate word document with barcodes with barcode sdk in C# with the help of ByteScout Premium Suite. This C# sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! Enjoy writing a code with ready-to-use sample codes in C#.

You can download free trial version of ByteScout Premium Suite from our website with this and other source code samples for C#.

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Source Code Files:

```

// This example uses Word Automation to create a document, add some text, add a table,
// fill it with random data and generate barcode images for it.

using System;
using System.Drawing;
using System.Globalization;
using System.IO;
using System.Reflection;
using Microsoft.Office.Interop.Word;
using Word = Microsoft.Office.Interop.Word;
using Bytescout.BarCode;

namespace GenerateWordDocumentWithBarcodes
{
    class Program
    {
        static void Main(string[] args)
        {
            object optional = Missing.Value;
            object endOfDocBookmark = "\\endofdoc"; /* \endofdoc is a predefined bookmark */

            // start Word
            _Application word = new Application();
            word.Visible = false;

            // create new document
            _Document document = word.Documents.Add(ref optional, ref optional);

            // insert a paragraph at the beginning of the document
            Paragraph paragraph1 = document.Content.Paragraphs.Add(ref optional);
            paragraph1.Range.Text = "Heading 1";
            paragraph1.Range.Font.Bold = 1;
            paragraph1.Format.SpaceAfter = 24; // 24 pt spacing after paragraph
            paragraph1.Range.InsertParagraphAfter();

            // insert another paragraph
            object range = document.Bookmarks.get_Item(ref endOfDocBookmark);
            Paragraph paragraph2 = document.Content.Paragraphs.Add(ref range);
            paragraph2.Range.Text = "This is a sentence of normal text. Now we will add a table and a barcode image to it.";
            paragraph2.Range.Font.Bold = 0;
            paragraph2.Format.SpaceAfter = 24;
            paragraph2.Range.InsertParagraphAfter();

            // insert a 5 x 2 table, make the first header row bold and italic
            range = document.Bookmarks.get_Item(ref endOfDocBookmark).Range;
            Table table = document.Tables.Add((Range) range, 5, 2, ref optional);
            table.Cell(1, 1).Range.Text = "Value"; // 1st column header
            table.Cell(1, 2).Range.Text = "Barcode"; // 2nd column header
            table.Rows[1].Range.Font.Bold = 1;
            table.Rows[1].Range.Font.Italic = 1;
            AddBorders(table.Cell(1, 1).Range);
            AddBorders(table.Cell(1, 2).Range);

            Random random = new Random();

```

```

string tempImage = Path.Combine(Path.GetTempPath(), "tempImage");

// create barcode object
Barcode barcode = new Barcode("demo", "demo");
barcode.Symbology = SymbologyType.Code128;
barcode.DrawCaption = false;

// fill the table with random data and add barcode images
for (int row = 2; row <= 5; row++)
{
    string randomValue = random.Next().ToString(CultureInfo.InvariantCulture);
    Range cell = table.Cell(row, 1).Range;
    cell.Text = randomValue;

    AddBorders(cell);

    // generate barcode and save it to temporary image file
    barcode.Value = randomValue;
    barcode.SaveImage(tempImage);

    // put barcode image to second column
    cell = table.Cell(row, 2).Range;
    cell.InlineShapes.AddPicture(tempImage, ref optional, ref optional);

    AddBorders(cell);
}

// save document
object fileName = @"sample.doc"; // use full file path in your application
document.SaveAs(ref fileName, ref optional, ref optional, ref optional);

// quit Word
object saveChanges = true;
word.Quit(ref saveChanges, ref optional, ref optional);

System.Diagnostics.Process.Start((string) fileName);
}

// Adds borders to provided Range
static void AddBorders(Range cell)
{
    cell.Borders[WdBorderType.wdBorderLeft].LineStyle = WdLineStyleSingle;
    cell.Borders[WdBorderType.wdBorderTop].LineStyle = WdLineStyleSingle;
    cell.Borders[WdBorderType.wdBorderRight].LineStyle = WdLineStyleSingle;
    cell.Borders[WdBorderType.wdBorderBottom].LineStyle = WdLineStyleSingle;
}
}
}

```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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