How to generate word document with barcodes in C# and ByteScout Barcode SDK

The tutorial shows how to generate word document with barcodes in C#

The coding tutorials are designed to help you test the features without need to write your own code. Want to generate word document with barcodes in your C# app? ByteScout Barcode SDK is designed for it. ByteScout Barcode SDK is the robost library (Software Development Kit) that is designed for automatic generation of high-quality barcodes for printing, electronic documents and pdf. All popular barcode types are supported from Code 39 and Code 129 to QR Code, UPC, GS1, GS-128, Datamatrix, PDF417, Maxicode and many others. Provides support for full customization of fonts, colors, output and printing sizes. Special tools are included to verify output quality and printing quality. Can add generated barcode into new or existing documents, images and PDF.

This code snippet below for ByteScout Barcode SDK works best when you need to quickly generate word document with barcodes in your C# application. In your C# project or application you may simply copy & paste the code and then run your app! Code testing will allow the function to be tested and work properly with your data.

Free trial version of ByteScout Barcode SDK is available for download from our website. Get it to try other source code samples for C#.

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Source Code Files:

Program.cs

```csharp
// 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 prede

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

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

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

            // insert another paragraph
            object range = document.Bookmarks.get_Item(ref endOfDocBookmar
            Paragraph paragraph2 = document.Content.Paragraphs.Add(ref rang
            paragraph2.Range.Text = "This is a sentence of normal text. No
            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 it
            range = document.Bookmarks.get_Item(ref endOfDocBookmark).Rang
            Table table = document.Tables.Add((Range) range, 5, 2, ref opt
            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);
```

```csharp
                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
                        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,

                        AddBorders(cell);
                }


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

                // 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 = WdLineStyle
                cell.Borders[WdBorderType.wdBorderTop].LineStyle = WdLineStyle
                cell.Borders[WdBorderType.wdBorderRight].LineStyle = WdLineSty
                cell.Borders[WdBorderType.wdBorderBottom].LineStyle = WdLineSty
        }
    }
}
```

VIDEO

https://www.youtube.com/watch?v=REnj3A-oSPI

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