

How to create tables in PDF in C# and ByteScout PDF SDK

Write code in C# to create tables in PDF with this step-by-step tutorial

The sample source code below will teach you how to create tables in PDF in C#. ByteScout PDF SDK is the component to help programmers in generating new pdf files, modifying and updating existing pdf documents or pdf forms. Provides support for auto-filling pdf forms, adding text with adjustable font, style, size, font family, new form fields, vector and raster drawings. It can create tables in PDF in C#.

The SDK samples like this one below explain how to quickly make your application do create tables in PDF in C# with the help of ByteScout PDF SDK. 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.

Download free trial version of ByteScout PDF SDK from our website with this and other source code samples for C#.

C# - Program.cs

```
using System;
using System.Diagnostics;
using Bytescout.PDF;

namespace Tables
{
    ///
    /// This example demonstrates how to create tables.
    ///

    class Program
    {
        static void Main()
        {
            // Create new document
            Document pdfDocument = new Document();
            pdfDocument.RegistrationName = "demo";
            pdfDocument.RegistrationKey = "demo";
            // Add page
            Page page = new Page(PaperFormat.A4);
            pdfDocument.Pages.Add(page);

            DeviceColor lightGrayColor = new ColorGray(200);
            DeviceColor whiteColor = new ColorGray(255);
```

```

DeviceColor lightBlueColor = new ColorRGB(200, 200, 250);
DeviceColor lightRedColor = new ColorRGB(255, 200, 200);

// Create a table and set default background color
Table table = new Table();
table.BackgroundColor = lightGrayColor;

// Add row headers column and set its color
table.Columns.Add(new TableColumn("RowHeaders"));
table.Columns[0].BackgroundColor = lightGrayColor;

// Add columns A, B, C, ...
for (int c = 0; c < 10; c++)
{
    string columnName = Convert.ToChar('A' + c).ToString();
    table.Columns.Add(new TableColumn(columnName, columnName));
}

// Add rows
for (int r = 0; r < 10; r++)
{
    // Create new row and set its background color
    TableRow row = table.NewRow();
    row.BackgroundColor = whiteColor;

    // Set row header text
    row["RowHeaders"].Text = (r + 1).ToString();

    // Set cell text
    for (int c = 0; c < 10; c++)
    {
        string columnName = Convert.ToChar('A' + c).ToString();
        row[columnName].Text = columnName + (r + 1);
    }

    // Add the row to the table
    table.Rows.Add(row);
}

// Decorate the table
table.Rows[1]["B"].BackgroundColor = lightRedColor;
table.Columns[2].BackgroundColor = lightBlueColor;
table.Rows[1].BackgroundColor = lightBlueColor;
table.Rows[1]["RowHeaders"].BackgroundColor = lightBlueColor;

// Draw the table on canvas
page.Canvas.DrawTable(table, 20, 20);

// Save document to file
pdfDocument.Save("result.pdf");

// Cleanup
pdfDocument.Dispose();

// Open result document in default associated application (for demo
purpose)
ProcessStartInfo processStartInfo = new ProcessStartInfo("result.pdf");
processStartInfo.UseShellExecute = true;
Process.Start(processStartInfo);

```

```
}  
}  
}
```

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