

validate cells with dates in C# with ByteScout Spreadsheet SDK

Tutorial: how to do validate cells with dates in C#

Sample source codes below will show you how to cope with a difficult task, for example, validate cells with dates in C#. ByteScout Spreadsheet SDK helps with validate cells with dates in C#. ByteScout Spreadsheet SDK is the SDK that can write and read, modify and calculate Excel and CSV spreadsheets. Most popular formulas are supported. You may import or export data to and from CSV, XML, JSON as well as to and from databases, arrays.

This rich sample source code in C# for ByteScout Spreadsheet SDK includes the number of functions and options you should do calling the API to implement validate cells with dates. This C# sample code should be copied and pasted into your application's code editor. Then just compile and run it to see how it works. Further enhancement of the code will make it more vigorous.

Visit our website provides for free trial version of ByteScout Spreadsheet SDK. Free trial includes lots of source code samples to help you with your C# project.

C# - Program.cs

```
using System;
using System.Collections.Generic;
using System.Text;
using System.Diagnostics;
using Bytescout.Spreadsheet;
using System.IO;

namespace HelloWorld
{
    class Program
    {
        static void Main(string[] args)
        {

// in this sample we scan cells with ages data for people
// then mark all dates where age is between 10 and 19 years and mark these cells with
red color

            // Create new Spreadsheet
            Spreadsheet document = new Spreadsheet();
            document.LoadFromFile("Data.xls");

            // Get worksheet by name
```

```

Worksheet worksheet = document.Workbook.Worksheets.By Name("Sample");

// Years range
int RangeMin = 10;
int RangeMax = 19;

// Minimum age
DateTime YearMin = DateTime.Now;
// Maximum age
DateTime YearMax = DateTime.Now;

// Minimum year
YearMax = YearMax.AddYears(-RangeMin);
// Maximum year
YearMin = YearMin.AddYears(-RangeMax);

// Check dates
for (int i = 1; i < 8; i++)
{
    // Set current cell
    Cell currentCell = worksheet.Cell(i, 1);

    DateTime dateBirth = currentCell.ValueAsDateTime;

    // Check current cell
    if (dateBirth < YearMin || dateBirth > YearMax)
    {
        // Set fill pattern
        currentCell.FillPattern =
Bytescout.Spreadsheet.Constants.PatternStyle.Solid;

        // Markup wrong cell by red color
        currentCell.FillPatternForeColor = System.Drawing.Color.Red;
    }

    // Set cell format
    currentCell.NumberFormatString = "dd.mm.yyyy";
}

// delete output file if exists already
if (File.Exists("Output.xls")){
    File.Delete("Output.xls");
}

// Save document
document.SaveAs("Output.xls");

// Close Spreadsheet
document.Close();

// open generated XLS document in default program
Process.Start("Output.xls");
}
}
}

```

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