

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.

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Source Code Files:

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

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

            // Get worksheet by name
            Worksheet worksheet = document.Workbook.Worksheets.ByName("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.PatternS

                    // 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");

    }
}
}
```

VIDEO

https://www.youtube.com/watch?v=nm_7I0PN1TY

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