

How to import from datatable in VB.NET using ByteScout Spreadsheet SDK

Write code in VB.NET to import from datatable with this step-by-step tutorial

With this source code sample you may quickly learn how to import from datatable in VB.NET. ByteScout Spreadsheet SDK is the SDK component for writing, reading, modifying and calculating Excel and CSV spreadsheets. Can calculate and recalculate formulas with Excel installed. You may import or export data to and from CSV, XML, JSON. Supports export to databases, arrays, streams. It can import from datatable in VB.NET.

You will save a lot of time on writing and testing code as you may just take the VB.NET code from ByteScout Spreadsheet SDK for import from datatable below and use it in your application. Just copy and paste the code into your VB.NET application's code and follow the instruction. Use of ByteScout Spreadsheet SDK in VB.NET is also explained in the documentation included along with the product.

ByteScout free trial version is available for download from our website. It includes all these programming tutorials along with source code samples.

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Source Code Files:

```
Imports System.IO
```

```
Module Module1
```

```
Sub Main()
```

```
    Const fileName As String = "VBNetImportFromDataTable.xls"
```

```
    'Create a new spreadsheet
```

```
    Dim spreadsheet As Bytescout.Spreadsheet.Spreadsheet = New Bytescout.Spreadsheet
```

```
    'Get the data from the 2D array that we want to import
```

```
    Dim periodicTable As DataTable = GetDataTable()
```

```
    'Import data into spreadsheet
```

```
    spreadsheet.ImportFromDataTable(periodicTable)
```

```
    'Insert row with column captions
```

```
    Dim worksheet As Worksheet = spreadsheet.Worksheets(0)
```

```
    worksheet.Rows.Insert(0)
```

```
    For colIndex As Integer = 0 To periodicTable.Columns.Count - 1
```

```
        worksheet.Cell(0, colIndex).Value = periodicTable.Columns(colIndex).Caption
```

```
    Next
```

```
    'Save the spreadsheet
```

```
    If (File.Exists(fileName)) Then
```

```
        File.Delete(fileName)
```

```
    End If
```

```
    spreadsheet.SaveAs(fileName)
```

```
    'Close spreadsheet
```

```
    spreadsheet.Close()
```

```
    'Open the spreadsheet
```

```
    Process.Start(fileName)
```

```
End Sub
```

```
''' <summary>
```

```
''' Creates a data table of the periodic table of elements
```

```
''' </summary>
```

```
''' <returns>A data table of the periodic table of elements</returns>
```

```
Function GetDataTable() As DataTable
```

```
    Dim periodicTable = New DataTable("PeriodicTable")
```

```
    Dim dr As DataRow
```

```
    periodicTable.Columns.Add("Name", GetType(String))
```

```
    periodicTable.Columns.Add("Symbol", GetType(String))
```

```
    periodicTable.Columns.Add("AtomicNumber", GetType(Integer))
```

```
    dr = periodicTable.Rows.Add()
```

```
    dr(0) = "Hydrogen"
```

```
    dr(1) = "H"
```

```
    dr(2) = "1"
```

```
dr = periodicTable.Rows.Add()  
dr(0) = "Helium"  
dr(1) = "He"  
dr(2) = "2"  
  
dr = periodicTable.Rows.Add()  
dr(0) = "Lithium"  
dr(1) = "Li"  
dr(2) = "3"  
  
dr = periodicTable.Rows.Add()  
dr(0) = "Beryllium"  
dr(1) = "Be"  
dr(2) = "4"  
  
dr = periodicTable.Rows.Add()  
dr(0) = "Boron"  
dr(1) = "B"  
dr(2) = "5"  
  
dr = periodicTable.Rows.Add()  
dr(0) = "Carbon"  
dr(1) = "C"  
dr(2) = "6"  
  
Return periodicTable  
End Function  
  
End Module
```

VIDEO

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

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