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## How to calculate formula in cell with spreadsheet sdk in VB.NET with ByteScout Data Extraction Suite

This code in VB.NET shows how to calculate formula in cell with spreadsheet sdk with this how to tutorial

On this page you will learn from code samples for programming in VB.NET. Writing of the code to calculate formula in cell with spreadsheet sdk in VB.NET can be executed by programmers of any level using ByteScout Data Extraction Suite. ByteScout Data Extraction Suite can calculate formula in cell with spreadsheet sdk. It can be applied from VB.NET. ByteScout Data Extraction Suite is the bundle that includes three SDK tools for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK.

These VB.NET code samples for VB.NET guide developers to speed up coding of the application when using ByteScout Data Extraction Suite. Simply copy and paste in your VB.NET project or application you and then run your app! Complete and detailed tutorials and documentation are available along with installed ByteScout Data Extraction Suite if you'd like to learn more about the topic and the details of the API.

ByteScout provides the free trial version of ByteScout Data Extraction Suite along with the documentation and source code samples.

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Source Code Files:

## Module1.vb

```
Imports System
Imports System.Collections.Generic
Imports System.Text
Imports System.IO
Imports System.Diagnostics

Imports Bytescout.Spreadsheet

Module Module1
    Sub Main()
        ' Create new spreadsheet
        Dim spreadsheet As New Spreadsheet()

        ' Add new worksheet
        Dim sheet As Worksheet = spreadsheet.Workbook.Worksheets.Add()

        ' Get decimal separator. Decimal separator depends from locale
        Dim dsep As String = spreadsheet.Workbook.Locale.NumberFormat.DecimalSeparator

        ' Get list separator. List separator depends from locale.
        Dim lsep As String = spreadsheet.Workbook.Locale.TextInfo.ListSeparator

        ' Set starting row
        Dim rowNumber As Integer = 1

        ' Example on SIN() function in formula
        sheet.Cell(rowNumber, 0).Value = "SIN(30)"
        sheet.Cell(rowNumber, 1).Value = "=SIN(30)"

        rowNumber += 2

        ' Example on COS() function in formula
        sheet.Cell(rowNumber, 0).Value = "COS(30)"
        sheet.Cell(rowNumber, 1).Value = "=COS(30)"

        rowNumber += 2

        ' Example on TAN() function in formula
        sheet.Cell(rowNumber, 0).Value = "TAN(30)"
        sheet.Cell(rowNumber, 1).Value = "=TAN(30)"

        rowNumber += 2

        ' Example on ATAN() function in formula
        sheet.Cell(rowNumber, 0).Value = "ATAN(0" + dsep + "5)"
        sheet.Cell(rowNumber, 1).Value = "=ATAN(0" + dsep + "5)"

        rowNumber += 2

        ' Example on ATAN2() function in formula
        sheet.Cell(rowNumber, 0).Value = "ATAN2(0" + dsep + "3" + lsep
        sheet.Cell(rowNumber, 1).Value = "=ATAN2(0" + dsep + "3" + lsep
```

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rowNumber += 2

' Example on ASIN() function in formula
sheet.Cell(rowNumber, 0).Value = "ASIN(0" + dsep + "5)"
sheet.Cell(rowNumber, 1).Value = "=ASIN(0" + dsep + "5)"

rowNumber += 2

' Example on ACOS() function in formula
sheet.Cell(rowNumber, 0).Value = "ACOS(0" + dsep + "5)"
sheet.Cell(rowNumber, 1).Value = "=ACOS(0" + dsep + "5)"

rowNumber += 2

' Example on EXP() function in formula
sheet.Cell(rowNumber, 0).Value = "EXP(5)"
sheet.Cell(rowNumber, 1).Value = "=EXP(5)"

rowNumber += 2

' Example on SQRT() function in formula
sheet.Cell(rowNumber, 0).Value = "SQRT(5)"
sheet.Cell(rowNumber, 1).Value = "=SQRT(5)"

rowNumber += 2

' Example on LN() function in formula
sheet.Cell(rowNumber, 0).Value = "LN(5)"
sheet.Cell(rowNumber, 1).Value = "=LN(5)"

rowNumber += 2

' Example on LOG10() function in formula
sheet.Cell(rowNumber, 0).Value = "LOG10(5)"
sheet.Cell(rowNumber, 1).Value = "=LOG10(5)"

rowNumber += 2

' Example on SUM() function in formula
sheet.Cell(rowNumber, 0).Value = "SUM(5" + lsep + "3)"
sheet.Cell(rowNumber, 1).Value = "=SUM(5" + lsep + "3)"

rowNumber += 2

' Example on PRODUCT() function in formula
sheet.Cell(rowNumber, 0).Value = "PRODUCT(5" + lsep + "3)"
sheet.Cell(rowNumber, 1).Value = "=PRODUCT(5" + lsep + "3)"

rowNumber += 2

' Example on VAR() function in formula
sheet.Cell(rowNumber, 0).Value = "VAR(5" + lsep + "3)"
sheet.Cell(rowNumber, 1).Value = "=VAR(5" + lsep + "3)"

rowNumber += 2

' Example on VARP() function in formula
sheet.Cell(rowNumber, 0).Value = "VARP(5" + lsep + "3)"
sheet.Cell(rowNumber, 1).Value = "=VARP(5" + lsep + "3)"

```

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rowNumber += 2

' Example on STDEV() function in formula
sheet.Cell(rowNumber, 0).Value = "STDEV(5" + lsep + "3)"
sheet.Cell(rowNumber, 1).Value = "=STDEV(5" + lsep + "3)"

rowNumber += 2

' Example on STDEVP() function in formula
sheet.Cell(rowNumber, 0).Value = "STDEVP(5" + lsep + "3)"
sheet.Cell(rowNumber, 1).Value = "=STDEVP(5" + lsep + "3)"

rowNumber += 2

' Example on AVERAGE() function in formula
sheet.Cell(rowNumber, 0).Value = "AVERAGE(50" + lsep + "30)"
sheet.Cell(rowNumber, 1).Value = "=AVERAGE(50" + lsep + "30)"

rowNumber += 2

' Example on MIN() function in formula
sheet.Cell(rowNumber, 0).Value = "MIN(50" + lsep + "30)"
sheet.Cell(rowNumber, 1).Value = "=MIN(50" + lsep + "30)"

rowNumber += 2

' Example on MAX() function in formula
sheet.Cell(rowNumber, 0).Value = "MAX(50" + lsep + "30)"
sheet.Cell(rowNumber, 1).Value = "=MAX(50" + lsep + "30)"

rowNumber += 2

' Example on PI() function in formula
sheet.Cell(rowNumber, 0).Value = "PI()"
sheet.Cell(rowNumber, 1).Value = "=PI()"

rowNumber += 2

' Example on ABS() function in formula
sheet.Cell(rowNumber, 0).Value = "ABS(-5)"
sheet.Cell(rowNumber, 1).Value = "=ABS(-5)"

rowNumber += 2

' Example on RAND() function in formula
sheet.Cell(rowNumber, 0).Value = "RAND()"
sheet.Cell(rowNumber, 1).Value = "=RAND()"

rowNumber += 2

' Example on MOD() function in formula
sheet.Cell(rowNumber, 0).Value = "MOD(10" + dsep + "8" + lsep +
sheet.Cell(rowNumber, 1).Value = "=MOD(10" + dsep + "8" + lsep

rowNumber += 2

' Example on INT() function in formula
sheet.Cell(rowNumber, 0).Value = "INT(10" + dsep + "8)"
sheet.Cell(rowNumber, 1).Value = "=INT(10" + dsep + "8)"

```

```

rowNumber += 2

' Example on SIGN() function in formula
sheet.Cell(rowNumber, 0).Value = "SIGN(10" + dsep + "8)"
sheet.Cell(rowNumber, 1).Value = "=SIGN(10" + dsep + "8)"

rowNumber += 2

' Example on ROUND() function in formula
sheet.Cell(rowNumber, 0).Value = "ROUND(10" + dsep + "862456"
sheet.Cell(rowNumber, 1).Value = "=ROUND(10" + dsep + "862456"

rowNumber += 2

' Example on RADIANS() function in formula
sheet.Cell(rowNumber, 0).Value = "RADIANS(180)"
sheet.Cell(rowNumber, 1).Value = "=RADIANS(180)"

rowNumber += 2

' Example on DEGREES() function in formula
sheet.Cell(rowNumber, 0).Value = "DEGREES(3" + dsep + "14)"
sheet.Cell(rowNumber, 1).Value = "=DEGREES(3" + dsep + "14)"

rowNumber += 2

' Example on LEN() function in formula
sheet.Cell(rowNumber, 0).Value = "LEN(""Bytescout""")"
sheet.Cell(rowNumber, 1).Value = "=LEN(""Bytescout""")"

rowNumber += 2

' Example on MID() function in formula
sheet.Cell(rowNumber, 0).Value = "MID(""Bytescout"""+ lsep +
sheet.Cell(rowNumber, 1).Value = "=MID(""Bytescout"""+ lsep +

rowNumber += 2

' Example on NOW() function in formula
sheet.Cell(rowNumber, 0).Value = "NOW()"
sheet.Cell(rowNumber, 1).Value = "=NOW()"

rowNumber += 2

' Example on DATE() function in formula
sheet.Cell(rowNumber, 0).Value = "DATE(2009" + lsep + "1" + lsep +
sheet.Cell(rowNumber, 1).Value = "=DATE(2009" + lsep + "1" + lsep +

rowNumber += 2

' Example on TIME() function in formula
sheet.Cell(rowNumber, 0).Value = "TIME(1" + lsep + "1" + lsep +
sheet.Cell(rowNumber, 1).Value = "=TIME(1" + lsep + "1" + lsep +

rowNumber += 2

' Example on SECOND() function in formula
sheet.Cell(rowNumber, 0).Value = "SECOND(""18:45:02"")"
sheet.Cell(rowNumber, 1).Value = "=SECOND(""18:45:02"")"

```

```

rowNumber += 2

' Example on MINUTE() function in formula
sheet.Cell(rowNumber, 0).Value = "MINUTE(\"18:45:02\")"
sheet.Cell(rowNumber, 1).Value = "=MINUTE(\"18:45:02\")"

rowNumber += 2

' Example on HOUR() function in formula
sheet.Cell(rowNumber, 0).Value = "HOUR(\"18:45:02\")"
sheet.Cell(rowNumber, 1).Value = "=HOUR(\"18:45:02\")"

rowNumber += 2

' Example on YEAR() function in formula
sheet.Cell(rowNumber, 0).Value = "YEAR(NOW())"
sheet.Cell(rowNumber, 1).Value = "=YEAR(NOW())"

rowNumber += 2

' Example on MONTH() function in formula
sheet.Cell(rowNumber, 0).Value = "MONTH(NOW())"
sheet.Cell(rowNumber, 1).Value = "=MONTH(NOW())"

rowNumber += 2

' Example on DAY() function in formula
sheet.Cell(rowNumber, 0).Value = "DAY(NOW())"
sheet.Cell(rowNumber, 1).Value = "=DAY(NOW())"

rowNumber += 2

' Example on WEEKDAY() function in formula
sheet.Cell(rowNumber, 0).Value = "WEEKDAY(NOW())"
sheet.Cell(rowNumber, 1).Value = "=WEEKDAY(NOW())"

rowNumber += 2

' Example on FALSE in formula
sheet.Cell(rowNumber, 0).Value = "FALSE"
sheet.Cell(rowNumber, 1).Value = "=FALSE"

rowNumber += 2

' Example on TRUE in formula
sheet.Cell(rowNumber, 0).Value = "TRUE"
sheet.Cell(rowNumber, 1).Value = "=TRUE"

rowNumber += 2

' Example on AND() function in formula
sheet.Cell(rowNumber, 0).Value = "AND"
sheet.Cell(rowNumber, 1).Value = "=AND(10>1" + lsep + "10<100)"

rowNumber += 2

' Example on OR() function in formula
sheet.Cell(rowNumber, 0).Value = "OR(10>1" + lsep + "10<100)"
sheet.Cell(rowNumber, 1).Value = "=OR(10>1" + lsep + "10<100)"

```

```

rowNumber += 2

' Example on NOT() function in formula
sheet.Cell(rowNumber, 0).Value = "NOT(1+1=2)"
sheet.Cell(rowNumber, 1).Value = "=NOT(1+1=2)"

rowNumber += 2

' Example on ISNA() function in formula
sheet.Cell(rowNumber, 0).Value = "ISNA(NA())"
sheet.Cell(rowNumber, 1).Value = "=ISNA(NA())"

rowNumber += 2

' Example on NA() function in formula
sheet.Cell(rowNumber, 0).Value = "NA()"
sheet.Cell(rowNumber, 1).Value = "=NA()"

rowNumber += 2

' Example on ISERROR() function in formula
sheet.Cell(rowNumber, 0).Value = "ISERROR(1/0)"
sheet.Cell(rowNumber, 1).Value = "=ISERROR(1/0)"

rowNumber += 2

' Example on ROW() function in formula
sheet.Cell(rowNumber, 0).Value = "ROW()"
sheet.Cell(rowNumber, 1).Value = "=ROW()"

rowNumber += 2

' Example on COLUMN() function in formula
sheet.Cell(rowNumber, 0).Value = "COLUMN()"
sheet.Cell(rowNumber, 1).Value = "=COLUMN()"

rowNumber += 2

' Example on COUNT() function in formula
sheet.Cell(rowNumber, 0).Value = "COUNT(B1:B10)"
sheet.Cell(rowNumber, 1).Value = "=COUNT(B1:B10)"

rowNumber += 2

' Example on COUNTA() function in formula
sheet.Cell(rowNumber, 0).Value = "COUNTA(B1:B10)"
sheet.Cell(rowNumber, 1).Value = "=COUNTA(B1:B10)"

rowNumber += 2

' Example on COUNTA() function in formula
sheet.Cell(rowNumber, 0).Value = "IF(1=1" + lsep + "TRUE" + lse
sheet.Cell(rowNumber, 1).Value = "=IF(1=1" + lsep + "TRUE" + ls

rowNumber += 2

' Example on COUNTAC() function in formula
sheet.Cell(rowNumber, 0).Value = "NPV(10%" + lsep + "10000" +
sheet.Cell(rowNumber, 1).Value = "=NPV(10%" + lsep + "10000" +

```

```
Try
    System.IO.File.Delete("output.xls")
Catch ex As Exception
End Try

spreadsheet.SaveAs("output.xls")
spreadsheet.Close()

System.Diagnostics.Process.Start("output.xls")
End Sub
End Module
```

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## VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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