How to calculate formula in cell with spreadsheet sdk in VB.NET with ByteScout Barcode Suite

Learn to calculate formula in cell with spreadsheet sdk in VB.NET

Sample source code below will display you how to manage a complex task like calculate formula in cell with spreadsheet sdk in VB.NET. ByteScout Barcode Suite is the set that includes three different SDK products to generate barcodes, read barcodes and read and write spreadsheets: Barcode SDK, Barcode Reader SDK and Spreadsheet SDK. It can be applied to calculate formula in cell with spreadsheet sdk using VB.NET.

These VB.NET code samples for VB.NET guide developers to speed up coding of the application when using ByteScout Barcode Suite. IF you want to implement the functionality, just copy and paste this code for VB.NET below into your code editor with your app, compile and run your application. Want to see how it works with your data then code testing will allow the function to be tested and work properly.

The trial version of ByteScout Barcode Suite can be downloaded for free from our website. It also includes source code samples for VB.NET and other programming languages.

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Source Code Files:

Module1.vb

```vbnet
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.(

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

                        ' 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

                        rowNumber += 2
```

```vbnet
' 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)"

rowNumber += 2
```

```vb
' 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
```

```vbnet
' 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" + lse
sheet.Cell(rowNumber, 1).Value = "=DATE(2009" + lsep + "1" + ls

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
```

```vb
' 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
```

```vb
' 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 COUNTA() 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
```

VIDEO

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

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