Formatting Numeric Output

TriState Enumeration

When formatting numbers the following table shows a list of constants and their values for using some options in the formatting functions. When you call number-formatting functions, you can use the following Values in your code in place of the Constant values. The IncludeLeadingDigit, UseParensForNegativeNumbers, and GroupDigits arguments have the following settings:

<table>
<thead>
<tr>
<th>Constant</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TriState.True</td>
<td>-1</td>
<td>True</td>
</tr>
<tr>
<td>TriState.False</td>
<td>0</td>
<td>False</td>
</tr>
<tr>
<td>TriState.UseDefault</td>
<td>-2</td>
<td>Default Values</td>
</tr>
</tbody>
</table>

FormatNumber Function

Returns an expression formatted as a number.

Function FormatNumber(
    Expression,
    NumDigitsAfterDecimal As Integer = -1,
    IncludeLeadingDigit As TriState = TriState.UseDefault,
    UseParensForNegativeNumbers As TriState = TriState.UseDefault,
    GroupDigits As TriState = TriState.UseDefault
) As String

Parameters

Expression
    Required. Expression to be formatted.

NumDigitsAfterDecimal
    Optional. Numeric value indicating how many places are displayed to the right of the decimal. The default value is –1, which indicates that the default settings are used.

IncludeLeadingDigit
    Optional. Tristate constant that indicates whether a leading zero is displayed for fractional values. See Settings for values.

UseParensForNegativeNumbers
    Optional. Tristate constant that indicates whether to place negative values within parentheses. See Settings for values.

GroupDigits
    Optional. Tristate constant that indicates whether or not numbers are grouped using the group delimiter specified in the locale settings. See Settings for values.

Example
Dim Number As Integer = 45600
Dim myString As String
myString = FormatNumber(Number, 2, , ,TriState.True) ' Returns "45,600.00".
FormatCurrency Function

Returns an expression formatted as a currency value using the currency symbol defined in the system control panel.

Function FormatCurrency(
  Expression,
  NumDigitsAfterDecimal As Integer = -1,
  IncludeLeadingDigit As TriState = TriState.UseDefault,
  UseParensForNegativeNumbers As TriState = TriState.UseDefault,
  GroupDigits As TriState = TriState.UseDefault
) As String

Example
Dim Debt As Double = -4456.43
Dim myString As String
myString = FormatCurrency(Debt,,, TriState.True, TriState.True) ' Returns "($4,456.43)"

FormatPercent Function

Returns an expression formatted as a percentage (that is, multiplied by 100) with a trailing % character.

Function FormatPercent(
  Expression ,
  NumDigitsAfterDecimal As Integer = -1,
  IncludeLeadingDigit As TriState = TriState.UseDefault,
  UseParensForNegativeNumbers As TriState = TriState.UseDefault,
  GroupDigits As TriState = TriState.UseDefault
) As String

Example
Dim Number As Single = 0.76
Dim myString As String
myString = FormatPercent(Number) ' Returns "76.00%".

FormatDateTime Function

Returns a string expression representing a date/time value.

Function FormatDateTime(
  Expression As DateTime,
  NamedFormat As DateFormat = DateFormat.GeneralDate
) As String

See Help for more information on this function, type in FormatDateTime in code view press F1.