

Single Data Type

1. Append Single data type values to a StringBuilder object

Imports System.Text

Class Sample

Public Shared Sub Main()

Dim sb **As** New StringBuilder()

Dim xSingle **As** Single = 6.6F

sb = sb.Append(xSingle)

Dim str **As** [String] = sb.ToString()

Console.WriteLine("The appended string is:")

Console.WriteLine(str)

End Sub

End Class

2. Generic and nongeneric versions of the CompareTo method for Single value

Imports System

Class Sample

Public Shared Sub Main()

Try

Dim a1 **As** [Single] = 6.6F, a2 **As** [Single] = 6.6F

Show(a1, a2, a1.CompareTo(a2), a1.CompareTo(CObj(a2)))

Catch e **As** Exception

Console.WriteLine(e)

End Try

End Sub

Public Shared Sub Show(var1 **As** [Object], var2 **As** [Object],
resultGeneric **As** Integer, resultNonGeneric **As** Integer)

Console.WriteLine(var1)

Console.WriteLine(var2)

If resultGeneric = resultNonGeneric **Then**

If resultGeneric < 0 **Then**

Console.WriteLine("less than")

ElseIf resultGeneric > 0 **Then**

Console.WriteLine("greater than")

Else

Console.WriteLine("equal to")

End If

End If

End Sub

End Class

3. Use the Sign(Single) method to determine the sign of a Single value and display it to the console.

Imports System

Imports System.Text

Class Sample

Public Shared Sub Main()

Dim sb **As** StringBuilder

sb = **new** StringBuilder

sb.Append("1234")

Dim xBool **As** Boolean = True

sb.Insert(3, xBool, 2)

Console.WriteLine(sb.ToString())

End Sub

End Class