

## WCP to perform various string operations.

### String join operation

Imports System

Module Program

Sub Main(args As String())

Dim sArr As String() = {"Welcome", "to", "VB.NET"}

Console.WriteLine("Join with Hyphen: {0}", String.Join("-", sArr))

Dim sArr1 As String() = {"Krishna", "Kishore", "Kiran"}

Console.WriteLine("Join with Comma: {0}", String.Join(", ", sArr1))

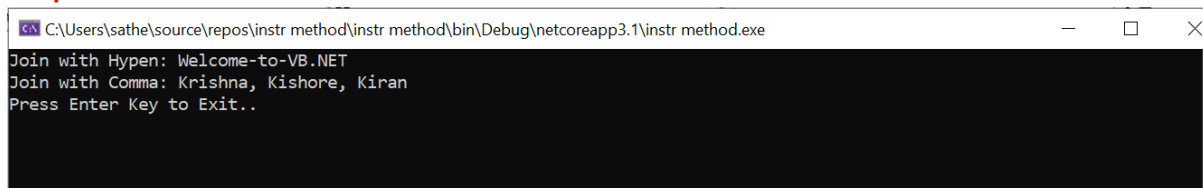
Console.WriteLine("Press Enter Key to Exit.." )

Console.ReadLine()

End Sub

End Module

### Output:

A screenshot of a Windows command prompt window. The title bar shows the file path: C:\Users\sathe\source\repos\instr method\instr method\bin\Debug\netcoreapp3.1\instr method.exe. The console output displays three lines: "Join with Hyphen: Welcome-to-VB.NET", "Join with Comma: Krishna, Kishore, Kiran", and "Press Enter Key to Exit..". The cursor is positioned on the third line.

```
C:\Users\sathe\source\repos\instr method\instr method\bin\Debug\netcoreapp3.1\instr method.exe
Join with Hyphen: Welcome-to-VB.NET
Join with Comma: Krishna, Kishore, Kiran
Press Enter Key to Exit..
```

### String comparison operation

Public Class Form1

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim str1, str2 As String

str1 = "Abc"

str2 = "ABC"

MessageBox.Show(String.Compare(str1, str2, False))

MessageBox.Show(String.Compare(str1, str2, True))

End Sub

End Class

### Output



## Split Method

Public Class Form1

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim input As String = "one)(two)(three)(four)(five"

Dim result As String() = input.Split(New String() {"")("), StringSplitOptions.None)

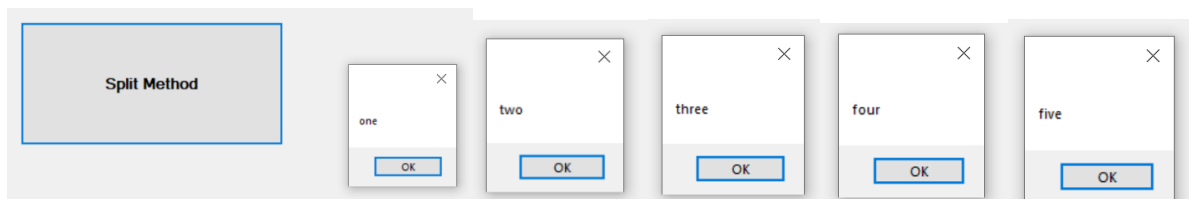
For Each s As String In result

MessageBox.Show(s)

Next

End Sub

End Class



## Program to identify choice of user using select...case

Public Class Form1

Private Sub lstData\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles lstData.SelectedIndexChanged

'what did we choose

Dim name As String

name = lstData.Items(lstData.SelectedIndex)

'use a select case to do something

Dim favoriteColor As String

Select Case name.ToLower()

Case "saheli"

favoriteColor = "Purple"

Case "nainika"

favoriteColor = "Green"

Case "saswati"

favoriteColor = "Maroon"

Case "monalisa"

favoriteColor = "Pink "

Case "sucharita"

favoriteColor = "Red"

Case "anchal"

favoriteColor = "yellow"

Case Else

MessageBox.Show("We didnt mention" & name & "'s Favorite colour")

End Select

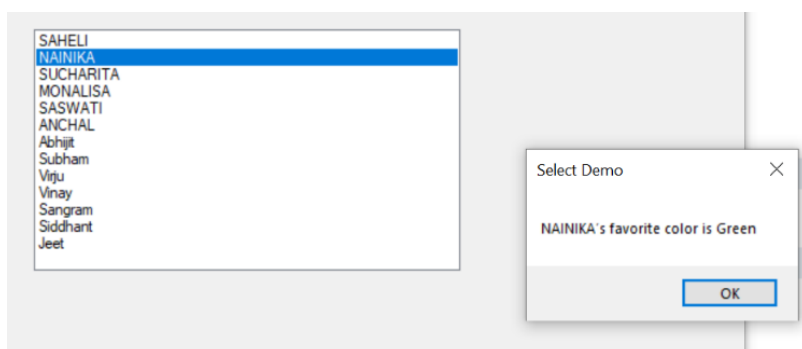
'display a message box...

MessageBox.Show(name & "'s favorite color is" & " " & favoriteColor, "Select Demo")

End Sub

End Class

### Output:



### Program to find the largest number among three numbers.

Imports System

Module Program

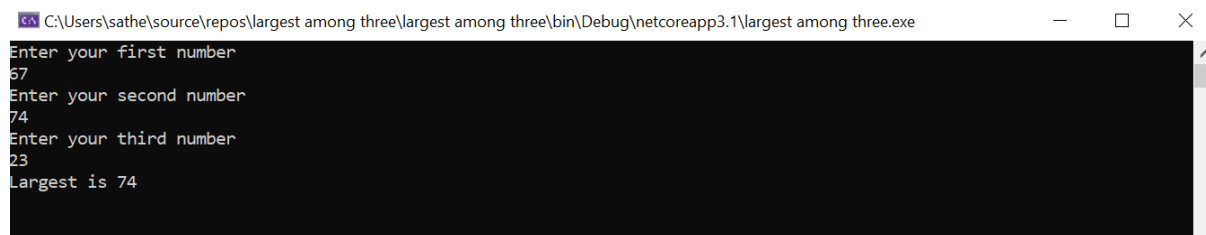
```
Sub Main(args As String())  
    Dim first, second, third  
    Console.WriteLine("Enter your first number")  
    first = Console.ReadLine
```

```

        Console.WriteLine("Enter your second number")
        second = Console.ReadLine
        Console.WriteLine("Enter your third number")
        third = Console.ReadLine
        If first > second And first > third Then
            Console.WriteLine("Largest is " & first)
        ElseIf second > third And second > first Then
            Console.WriteLine("Largest is " & second)
        Else
            Console.WriteLine("Largest is " & third)
        End If
        Console.ReadKey()
    End Sub
End Module

```

### Output:



```

C:\Users\sathe\source\repos\largest among three\largest among three\bin\Debug\netcoreapp3.1\largest among three.exe
Enter your first number
67
Enter your second number
74
Enter your third number
23
Largest is 74

```

### Program to find maximum and minimum element in an array of size n

Imports System

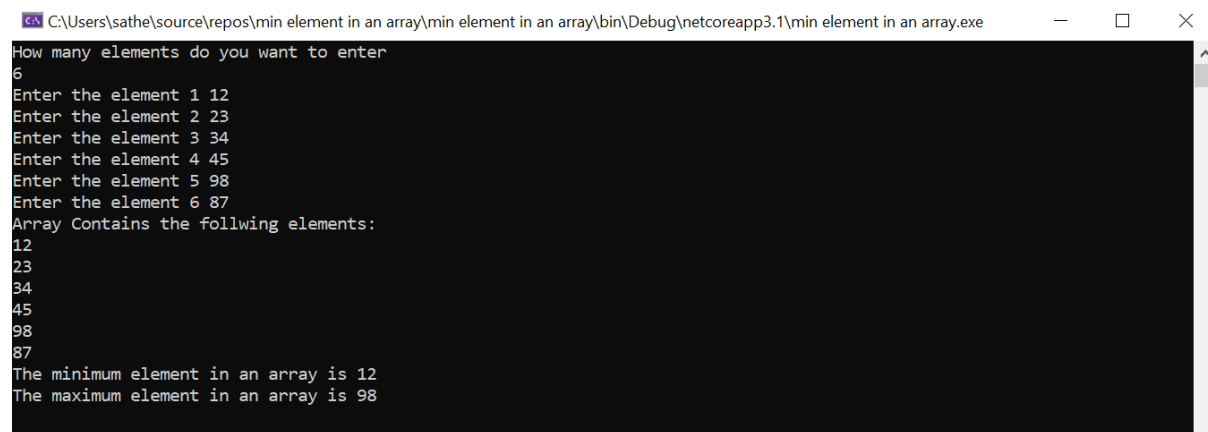
Module Program

```

    Sub Main(args As String())
        Dim n, i, min, max As Integer
        Console.WriteLine("How many elements do you want to enter")
        n = Console.ReadLine
        Dim arr(n) As Integer
        For i = 0 To n - 1
            Console.Write("Enter the element " & (i + 1) & " ")
            arr(i) = Int(Console.ReadLine())
        Next
        Console.WriteLine("Array Contains the follwing elements:")
        For i = 0 To n - 1
            Console.WriteLine(arr(i))
        Next
        min = arr(0)
        max = arr(0)
        For i = 0 To n - 1
            If min > arr(i) Then
                min = arr(i)
            End If
        Next
        For i = 0 To n - 1
            If max < arr(i) Then
                max = arr(i)
            End If
        Next
        Console.WriteLine("The minimum element in an array is" & min)
        Console.WriteLine("The maximum element in an array is" & max)
    End Sub
End Module

```

## Output:



```
C:\Users\sathe\source\repos\min element in an array\min element in an array\bin\Debug\netcoreapp3.1\min element in an array.exe
How many elements do you want to enter
6
Enter the element 1 12
Enter the element 2 23
Enter the element 3 34
Enter the element 4 45
Enter the element 5 98
Enter the element 6 87
Array Contains the following elements:
12
23
34
45
98
87
The minimum element in an array is 12
The maximum element in an array is 98
```