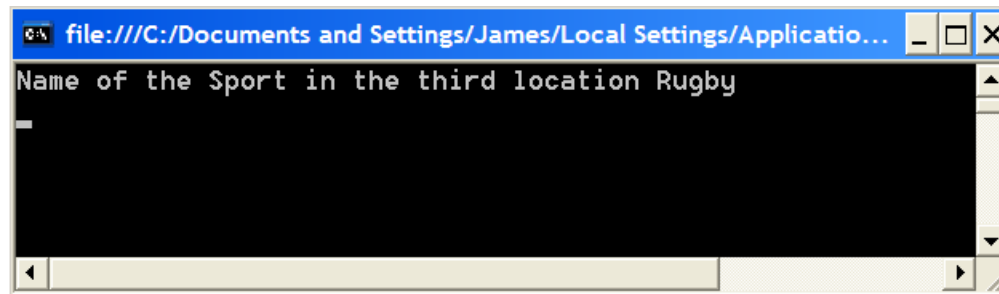
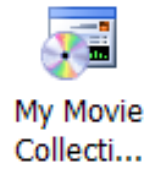
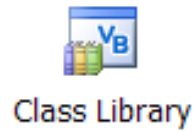


Console Application

A console application runs like a dos style program and uses up considerably fewer resources than a GUI program.

Visual Studio installed templates



A screenshot of a console application window. The title bar shows the file path: file:///C:/Documents and Settings/James/Local Settings/Applicatio... The window contains a single line of text: Name of the Sport in the third location Rugby. The background is black, and the text is white. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

String Arrays

```
Imports System.Console
```

```
Module Module1
```

```
    Sub Main()
```

```
        Dim sport(5) As String
```

```
        'declaring an array
```

```
        sport(0) = "Soccer"
```

```
        sport(1) = "Cricket"
```

```
        sport(2) = "Rugby"
```

```
        sport(3) = "Aussie Rules"
```

```
        sport(4) = "BasketBall"
```

```
        sport(5) = "Hockey"
```

```
        'storing values in the array
```

```
        WriteLine("Name of the Sport in the third location" & " " &
```

```
sport(2))
```

```
        'displaying value from array
```

```
    End Sub
```

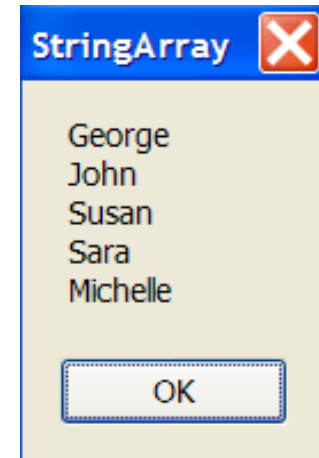
```
End Module
```

Enter Student Names

Using a for loop enter 5 students names in a String array called student()..

```
Public Class Form1
    Dim student(5) As String
    Dim i As Integer
    Dim output As String
    Dim wrap As String = Chr(13) & Chr(10)

    Private Sub Form1_Load(ByVal sender As System.Object,
        For i = 0 To 4
            student(i) = InputBox("Enter Student Name")
            output = output & student(i) & wrap
        Next
        MsgBox(output)
    End Sub
End Class
```



Output Array Backwards

```
Public Class Form1
    Dim student(5) As String
    Dim i As Integer
    Dim j As Integer
    Dim output As String
    Dim backOutput As String
    Dim wrap As String = Chr(13) & Chr(10)

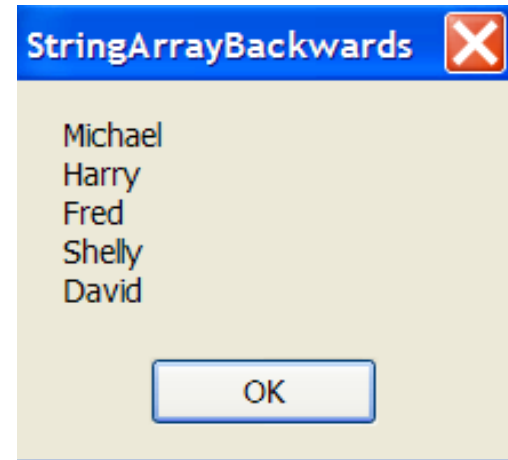
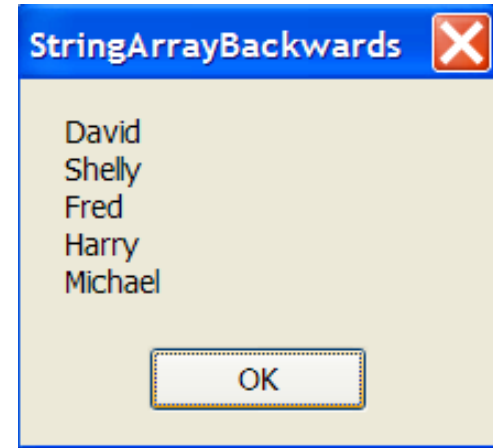

---


    Private Sub btnForward_Click(ByVal sender As System.C
        For i = 0 To 4
            student(i) = InputBox("Enter Student Name")
            output = output & student(i) & wrap
        Next i
        MsgBox(output)
    End Sub


---


    Private Sub btnBackward_Click(ByVal sender As System.

        For i = 4 To 0 Step -1
            backOutput = backOutput & student(i) & wrap
        Next i
        MsgBox(backOutput)
    End Sub
End Class
```



The Split Function()

Take a string and split it into an array of words.

```
Dim words(20) As String
```

```
input = InputBox("Write a sentence here")
```

```
words = input.Split
```

```
arrayLength = words.Length - 1
```

Returns the number of elements in the array.



```
For i = 0 To arrayLength
```

```
    output = output & words(i) & wrap
```

```
Next i
```

```
MsgBox(output)
```

Split and Read Backwards

```
Public Class Form1
    Dim words(20) As String
    Dim input As String
    Dim output As String
    Dim backwards As String
    Dim wrap As String = Chr(13) & Chr(10)
    Dim i As Integer
    Dim arrayLength As Integer



---



    Private Sub btnEnterString_Click(ByVal sender As :
        input = InputBox("Write a sentence here")
        words = input.Split
        arrayLength = words.Length - 1
        MsgBox("Length is " & arrayLength)
        For i = 0 To arrayLength
            output = output & words(i) & wrap
        Next i
        MsgBox(output)

        For i = arrayLength To 0 Step -1
            backwards = backwards & words(i) & wrap
        Next i
        MsgBox(backwards)

    End Sub
End Class
```

The Input and the 'BackPut'

