

LAB GOALS

String Manipulation

Open up Microsoft Visual Basic .NET.

Step 1: Create a new Console project named “StringManipulation”. Don’t forget..

Option Explicit On

Option Strict On

Step 2: Creating the DRIVER program:

Create a main program with the following procedure calls. Note that all of the procedure calls are currently commented.

```
Sub Main()
    'StringLength_Ex1()
    'StringLength_Ex2()
    'StringTrim_Ex1()
    'Remove_Ex1()
    'StartsWith_EndsWith_Ex1()
    'ToUpper_ToLower_Ex1()
    'SubString_Ex1()
    'Replace_Ex1()
    'Mid_Ex1()
    'PadLeft_PadRight_Ex1()
    'IndexOf_Ex1()
    Console.ReadLine()
End Sub
```

Step 3: Creating A Series of STUB Procedures:

Create a STUB procedure for each of the above procedure calls. Each stub should have two writeline statements in them such as:

```
Console.WriteLine("Entering: -----> Procedure_Name")
'Your code goes here...
Console.WriteLine("Exiting: -----> Procedure_Name")
```

Step 4: Programming the STUB Procedures:

Now that we have our STUB procedure created, we are ready to program and test each one. Read my lecture notes (about string manipulation) available at: http://cs.iusb.edu/~hhakimza/A201_A505/Lecture/Unit_09_String_Manipulation.pdf

Type the code segments provided in the notes into the appropriate STUB procedure. For example:

```
Private Sub StringLength_Ex1()

    Console.WriteLine("Entering: -----> StringLength_Ex1")

    Dim strName As String
    Dim numOfChar As Integer

    strName = "Smith"
    numOfChar = strName.Length
    Console.WriteLine("Name: {0} Length: {1}", strName, numOfChar)

    Console.WriteLine("Exiting: -----> StringLength_Ex1")
End Sub
```

Then compile and run your program. Make sure to “UN-COMMENT” the procedure call before compiling and running your program!