CHAPTER 6: STRING FUNCTIONS

Use the string functions Left, Right and Mid to refer to part of a string

Use Len functions to count the number of characters in a string

STRING FUNCTIONS

- A function is similar to a normal procedure but the main purpose of the function is to accept a certain input and return a value which is passed on to the main program to finish the execution.
- We have learned the basic concept of function in Visual Basic such as how to use the MsgBox function and InputBox function.

THE LEFT FUNCTION

- The Left function extracts the left portion of a phrase.
- The syntax is:

```
Microsoft.VisualBasic.Left("Phrase", n)
```

  Where `n` is the starting position from the left of the phrase where the portion of the `phrase` is going to be extracted.

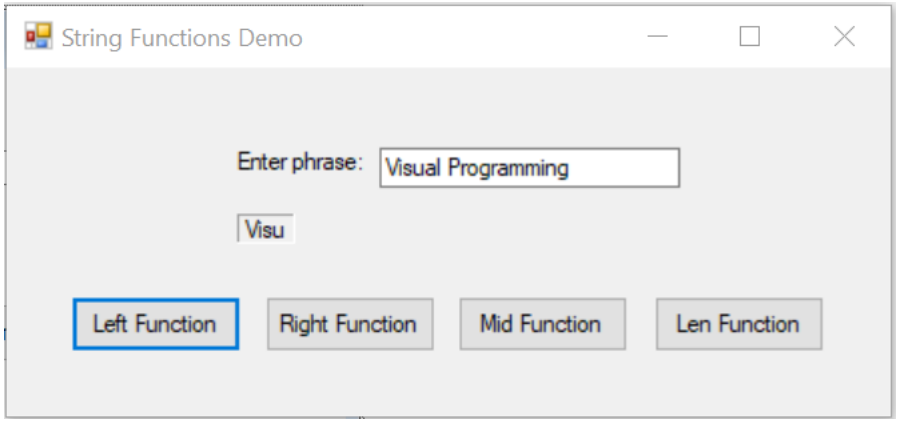
- For example:

```
Microsoft.VisualBasic.Left("Visual Basic”,4) = Visu
```

EXAMPLE OF LEFT FUNCTION

- The following code extracts the left portion any phrase entered by the user:

```
Private Sub btnLeft_Click(sender As Object, e As EventArgs) Handles btnLeft.Click
    Dim myWord As String
    myWord = txtPhrase.Text
    lblOutput.Text = Microsoft.VisualBasic.Left(myWord, 4)
End Sub
```



THE RIGHT FUNCTION

- The Right function extracts the right portion of a phrase.
- The syntax is:

  `Microsoft.VisualBasic.Right("Phrase", n)`

  Where `n` is the starting position from the right of the phrase where the portion of the `phrase` is going to be extracted.

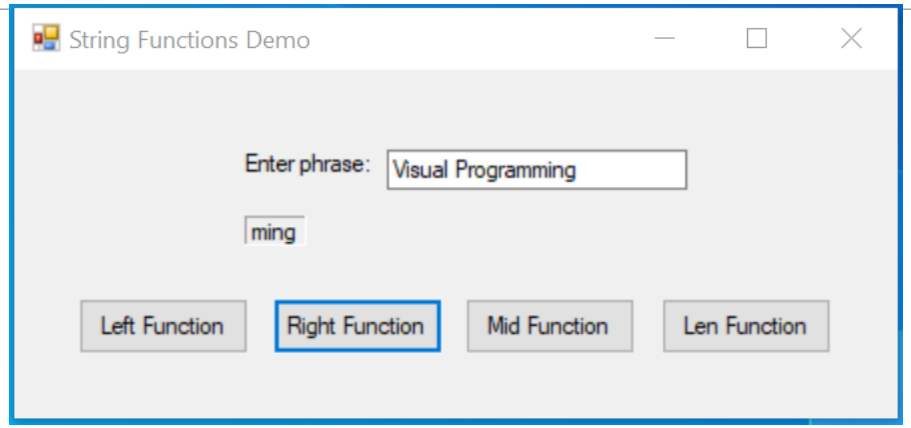
- For example:

`Microsoft.VisualBasic.Right("Visual Basic”,4)= asic`

EXAMPLE OF RIGHT FUNCTION

- The following code extracts the right portion any phrase entered by the user:

```
Private Sub btnRight_Click(sender As Object, e As EventArgs) Handles btnRight.Click
    Dim myWord As String
    myWord = txtPhrase.Text
    lblOutput.Text = Microsoft.VisualBasic.Right(myWord, 4)
End Sub
```



THE MID FUNCTION

- The Mid function is used to retrieve a part of text form a given phrase.
- The syntax is:

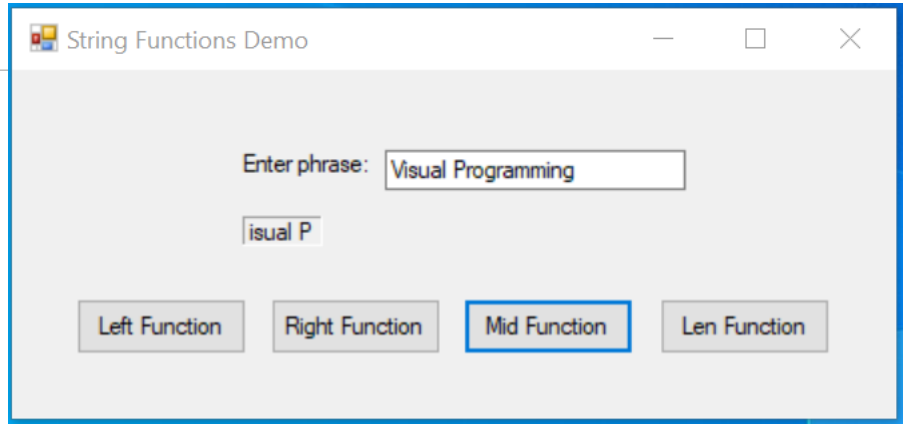
```
Mid(phrase, position, n)
```

where `phrase` is the string from which a part of text is to be retrieved, `position` is the starting position of the phrase from which the retrieving process begins and `n` is the number of characters to retrieve.

EXAMPLE OF MID FUNCTION

- The following code shows the extracted text starting from position 2 of the phrase and the number of characters extracted is 7:

```
Private Sub btnMid_Click(sender As Object, e As EventArgs) Handles btnMid.Click
    Dim myPhrase As String
    myPhrase = txtPhrase.Text
    lblOutput.Text = Mid(myPhrase, 2, 7)
End Sub
```



THE LEN FUNCTION

- The Len function returns an integer value which is the length of a phrase or a sentence, including the empty spaces.
- The syntax is:

```
Len(“Phrase”)
```

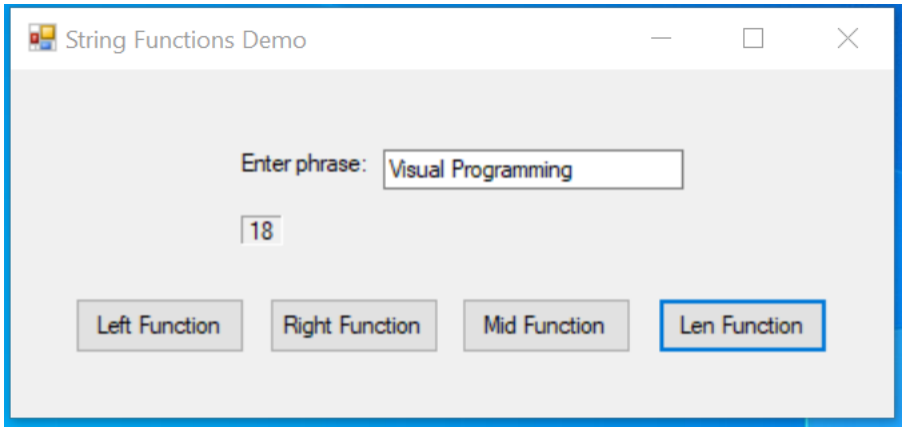
- For example:

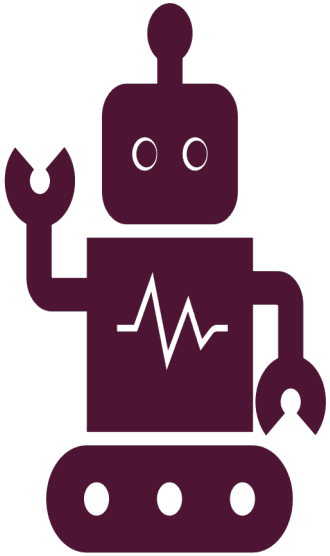
```
Len("Visual Basic”)= 12
```

EXAMPLE OF LEN FUNCTION

- The following code shows the Len function returns the length of the text string entered by the user:

```
Private Sub btnLen_Click(sender As Object, e As EventArgs) Handles btnLen.Click
    Dim myPhrase As String
    myPhrase = txtPhrase.Text
    lblOutput.Text = Len(myPhrase)
End Sub
```





END OF SUBTOPIC … STRING FUNCTIONS