Strings; Input and Output (I/O)

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Strings

- A *string constant* is a sequence of characters that is treated as a single item.
- A *string variable* is a name used to refer to a string

  phrase = "The balance is"

  picBox.Print phrase; " zero"

Concatenation

"concate"&"nation"

A combination of strings and ampersands that can be evaluated to form a string is called a **string expression**.

Declaring Variable Types (reminder)

Dim sentence As String

Dim length As Single

A Dim statement is said to **declare** a variable.

Named Constants

Const solarSystemPlanets As Single = 8

Using Text Boxes for Input and Output

strVar = txtBox.Text

txtBox.Text = strVar

numVar = Val(txtBox.Text)

txtBox.Text = Str(numVar)

The KeyPress Event Procedure

Private Sub *ControlName_*KeyPress(KeyAscii As Integer)

   statements

End Sub

Reading Data From Files

1. *Choose a number n between 1 and 255*
2. Open "*filespec*" For Input As #*n*
3. Input #*n*, *var*
4. Close #*n*

In the file, individual items are separated by **commas** *or* **line breaks**.

Input Dialog Box

stringVar = InputBox(*prompt, title*)

Print Zones

When commas are used to separate items for the Print method, the items are displayed in consecutive 14-character *print zones*.

Tab Function

- If an item in a Print statement is preceded by

  Tab(n);

  where n is a positive integer, then that item will be displayed (**if possible**) beginning at the nth position of the line. The Tab function cannot be used to move the cursor to the left. If Position n is to the left of the cursor, the cursor will move to that position **on the next line**!

Comments in Visual Basic

Dim wage As Single   'Hourly pay