For...Next Loops

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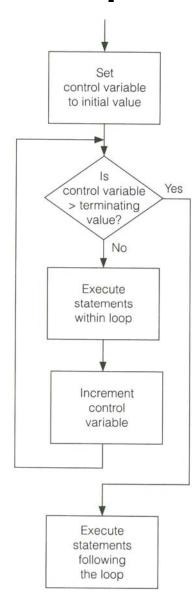
For...Next Loops

 For...Next loops are useful when it is known how many times a loop should be executed.
 The general form of a For...Next loop is as follows:

For intIndexVar = initVal To endVal [Step intStepVal]
Statement(s)

Next intlndexVar

For...Next Loop: A Flowchart



Example 1

```
Private Sub cmdDisplayTable_Click()
 Dim i As Integer 'declare a counter
 'Display a table of the first 6 numbers
 'and their squares
 picTable.Cls
 For i = 1 To 6
     picTable.Print i; i^2
  Next i
End Sub
```

Example 2 (Negative intStepVal):

```
Private Function Reverse(info As String) As String
  Dim m As Integer, j As Integer, temp As String
  m = Len(info)
  temp = ""
  For j = m To 1 Step -1
     temp = temp + Mid(info, i, 1)
  Next i
  Reverse = temp
End Function
```

Example 3 (Nested For...Next Loops)

```
Private Sub cmdDisplay_Click()
  Dim i As Integer, k As Integer
 picTable.Cls
  For j = 1 To 9
     For k = 1 To 9
          PicTable.Print j; "x"; k; "="; j*k
     Next k
     picTable.Print 'Move to the next row
  Next i
End Sub
```