'If_Then_ElseIf_Else_End If' Statements

There are three structures for the If type statements. They are shown below:

```
If condition Then
  lines of code
End If

If condition Then
  lines of code
Else
  lines of code
End If

If condition Then
  lines of code
ElseIf condition
  lines of code
Else
  lines of code
End If
```

All If clauses must end with an End If statement, otherwise the compiler (the program that tests your code) wouldn't know where the end of the If block was.

The 3rd structure (on the right) can have as many ElseIf statements as needed.

Questions

The following questions should be answered after successfully completing the program Hello 2.

1. In the program Hello 2, which new properties of the textbox were used?
2. Which Keyboard Shortcut opens the Project Window?
3. What does the 'Enabled' property do?
4. Write a line of code that disables a textbox named txtMessage.
5. What does the 'Visible' property do?
6. Write a line of code that makes the textbox named txtMessage invisible.
7. What does the 'Alignment' property do?
8. Write a line of code that makes the textbox named txtMessage right aligned.
9. What does the 'Locked' property do?
10. Write a line of code that makes the textbox named txtMessage locked.
11. What does the 'Left' property mean?
12. What does the 'Top' property mean?
13. Write 2 lines of code that move the textbox named txtMessage 50 twips down and 100 twips to the left
14. Write 2 lines of code to change the font of the txtMessage textbox to 'Underline' and 'Bold'.
15. What is the purpose of the 'If_Then_ElseIf_Else_End If' statements in Visual Basic?
16. Write code that checks if the textbox is clear. If it is clear, the message "Hello" should be added. If it is not clear, it should be cleared of all text.

Extension Activity

Create a small Visual Basic program with 2 columns of command buttons and 1 text box in the middle. The left hand column of commands set the text to 'Visible', 'Enabled', 'Left Aligned' and 'Unlocked'. The right hand column sets them to 'Invisible', 'Disabled', 'Right Aligned' and 'Locked'.

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