

Prog511 question

The syntax for an **If** statement:

```
If condition [ Then ]  
    [ statements ]  
[ ElseIf elseifcondition [ Then ]  
    [ elseifstatements ] ]  
[ Else  
    [ elsestatements ] ]  
End If
```

When an If...Then...Else statement is encountered, condition is tested. If condition is True, the statements following Then are executed. If condition is False, each ElseIf statement (if there are any) is evaluated in order. When a True elseifcondition is found, the statements immediately following the associated ElseIf are executed. If no elseifcondition evaluates to True, or if there are no ElseIf statements, the statements following Else are executed. After executing the statements following Then, ElseIf, or Else, execution continues with the statement following End If.

The ElseIf and Else clauses are both optional. You can have as many ElseIf clauses as you want in an If...Then...Else statement, but no ElseIf clause can appear after an Else clause. If...Then...Else statements can be nested within each other.

In the multiline syntax, the If statement must be the only statement on the first line. The ElseIf, Else, and End If statements can be preceded only by a line label. The If...Then...Else block must end with an End If statement.

Simple IFs

Train tickets are charged as follows: If a person buys seven or more tickets, they cost R10.75 each, otherwise they cost R15 each. If a person buys 14 or more tickets, they get a discount of 10% on the total price. Write a program that calculates a customer's bill given the number of tickets they wish to purchase. The number of tickets must be entered in a textbox and the amount must be displayed in a messagebox