Chapter 6: Selection Statements

- boolean expressions
 - constants: true and false
 - method return values: if a method returns true or false,
 then sending the message counts as a boolean expression
 - relational operators: >, >=, <, <=, == and !=. These are all binary operators.
 - * >, >=, < and <= require a numeric primitive types or char for operands, and behave as expected
 - * == and != can have numeric primitive types or char as operands, or any Object reference.

- boolean operators: && (AND), \parallel (OR), !(NOT). These may be applied to boolean expressions to yield another boolean expression.
 - * && and || both take two boolean expressions as operands.
 - *! takes one boolean expression as an operand.

• if statments

- format: if (<boolean expression>) { // 'true''
 code } else { // 'false'' code }
- ''false'' code optional
- braces are optional if code body is only one command
- see the Style Guide for rules about indentation!
- any boolean expression is allowed, so may be quite complex using boolan operators!

- switch statements
 - format: switch(<numeric type>) { case <value>: ...;
 default: ... }
 - may have multiple case <value> statements
 - note that <value> is not a boolean expression, but rather a constant!
 - default statement is optional
 - break; statement needed between case statements if you want code to skip to end of switch block.
 - see the Style Guide for rules about indentation!

ListBox from Javabook

- used to offer discrete choices for user to select from
- constructor requires a MainWindow object as an argument, just like InputBox and OutputBox
- method addItem(String) adds a choice to the ListBox
- method getSelectedIndex() makes the ListBox appear, and waits until the user selects an item
- a zero-based index is returned from getSelectedIndex(), so switch is a good way to handle the response
- two class constants are defined:
 - ListBox.NO_SELECTION when the user closes the ListBox window without selecting anything (using the X at the top)
 - ListBox.CANCEL when the user clicks the CANCEL button rather than the OK button in the window