5 Control Statements: Part 2; Logical Operators

Objectives

In this chapter you'll:

- Learn the essentials of counter-controlled iteration.
- Use the `for` and `do…while` iteration statements to execute statements in a program repeatedly.
- Understand multiple selection using the `switch` selection statement.
- Implement an object-oriented `AutoPolicy` case study using `String`s in `switch` statements.
- Alter the flow of control with the `break` and `continue` program-control statements.
- Use the logical operators to form complex conditional expressions in control statements.

Outline

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2. 5.2 Essentials of Counter-Controlled Iteration
3. 5.3 `for` Iteration Statement
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5. 5.5 `do…while` Iteration Statement
6. 5.6 `switch` Multiple-Selection Statement
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8. 5.8 `break` and `continue` Statements

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    3. 5.9.3 Short-Circuit Evaluation of Complex Conditions
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    5. 5.9.5 Boolean Logical Exclusive OR (^)
    6. 5.9.6 Logical Negation (!) Operator
    7. 5.9.7 Logical Operators Example

10. 5.10 Structured-Programming Summary
11. 5.11 (Optional) GUI and Graphics Case Study: Drawing Rectangles and Ovals
12. 5.12 Wrap-Up

    1. Summary
    2. Self-Review Exercises
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4. Exercises
5. Making a Difference