**Introduction to the C Language**

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Data Types

Operands, Operators, and Arithmetic Expressions

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Input/Output Management

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The Control-flow Program Statements

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Arrays

Pointers

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Using Arrays, Strings, and Pointers in the Checkbook Program

**Structures and Dynamic Memory Allocation**

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**The Preprocessor and Multiple-file Compilation**

The C Preprocessor and the #include and #define Directives

The Conditional Compilation Directives

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File Input and Output

Combining Command-line Arguments and File I/O