

C-Programming

Chapter 1: Introduction to C Programming

- 1.1 Overview of C
- 1.2 Constants, Variable, and Data Types
- 1.3 Managing Input and Output Operations
- 1.4 Operators and Expressions

Chapter 2: Control Structures

- 2.1 Introduction to Decision Making and Branching
- 2.2 Simple If Statement
- 2.3 If-else Statement
- 2.4 Nesting of IF-ELSE Statements
- 2.5 The ELSE IF Ladder
- 2.6 The Switch Statement
- 2.7 Ternary Operator
- 2.8 The goto Statement
- 2.9 Introduction to Looping
- 2.10 The while Statement
- 2.11 Do-while Statement
- 2.12 The for Statement
- 2.13 Jumps in Loops

Chapter 3: Arrays and Strings

- 3.1 Introduction to Arrays
- 3.2 Properties of an Array
- 3.3 One-Dimensional Array
- 3.4 Multidimensional Arrays
- 3.5 Introduction to Character Arrays and Strings
- 3.6 Reading Strings from Terminal
- 3.7 Writing Strings to Screen
- 3.8 Arithmetic Operations on Characters
- 3.9 String-Handling Functions in C without Using the Built-In String Functions
- 3.10 String-handling Functions

Chapter 4: Functions and Introduction to Pointers

4.1 User-defined Functions

4.2 Pointers

Chapter 5: Structures and File Management

5.1 Introduction to Structure

5.2 Structures and Functions

5.3 Array of Structures

5.4 File Management

5.5 Error Handling in File Operations

