C and Data Structures

Chapter-1: Introduction to Programming

- 1.1 System Software
- 1.2 Introduction to 'C'
- 1.3 C-Data Types
- 1.4 Structure of C Program
- 1.5 Operators

Chapter-2: Conditional Statements and Control Statements

- 2.1 Conditional Statements
- 2.2 Control Statements

Chapter-3: Arrays, Functions, Strings and Pointers

- 3.1 Arrays
- 3.2 Function
- 3.3 Recursion
- 3.4 The Preprocessor
- 3.5 Char – Functions
- 3.6 Array of Strings
- 3.7 Pointers
- 3.8 Memory Allocation Function

Chapter-4: Structures, Unions and File Handling

- 4.1 Structures and Unions
- 4.2 Nested Structures

Chapter-5: Data Structures Using C

- 5.1 Introduction to Data Structures
- 5.2 Linked Lists
- 5.3 Stack and Queue
- 5.4 Binary Tree