PROGRAMMING
USING
dBASE IV

A STRUCTURED APPROACH TO SYSTEMS DEVELOPMENT

SUDESH DUGGAL.

### PART 1 BASIC TOPICS—dBASE IV

### Chapter 1 Introduction to dBASE IV

Learning Objectives

- 1.1 Overview
- 1.2 Introduction to dBASE IV Terminology
  - 1.2.1 What Is a Database?
  - 1.2.2 What Is a Database Management System?
  - 1.2.3 What Is a Relational Database Management System?
  - 1.2.4 What Is dBASE IV?
  - 1.2.5 Components of Database Files
  - 1.2.6 Different Types of dBASE IV Files
  - 1.2.7 Database Terminology
  - 1.2.8 dBASE IV Capacity Constraints
- 1.3. Getting Ready for dBASE IV
  - 1.3.1 Directories and Disk Files
  - 1.3.2 Creating a Directory
  - 1.3.3 Changing the Directory
  - 1.3.4 Creating a Subdirectory
  - 1.3.5 Logging on to a Subdirectory
  - 1.3.6 Displaying a Directory
  - 1.3.7 Deleting a Directory
- 1.4 Your First Encounter with dBASE IV
  - 1.4.1 Installing dBASE IV
  - 1.4.2 Copying the Tutorial Disk
  - 1.4.3 Loading dBASE IV
  - 1.4.4 Different Operating Modes of dBASE IV
  - 1.4.5 Basics of Dot Prompt
  - 1.4.6 Exiting dBASE IV
- 1.5 Summary

Key Concepts

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# Chapter 2 Creating and Accessing Database Files

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- 2.1 Overview
- 2.2 Creating a Database File
  - 2.2.1 Creating a Database File Structure
  - 2.2.2 Adding Data to the Database File
  - 2.2.3 Closing the Database File
- 2.3 Accessing Database Files
  - 2.3.1 Opening a Database File
  - 2.3.2 The DISPLAY Command
  - 2.3.3 The LIST Command
  - 2.3.4 Printing the Database
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3.2.2 Saving the dBASE Program

3.2.3 Executing the dBASE Program

3.2.4 Modification of a dBASE Program

3.2.5 Documenting a Program

3.2.6 The DO WHILE-ENDDO Command

3.2.7 Adding Headings to a Report

3.2.8 The IF-ELSE-ENDIF Command

3.2.9 Listing of the dBASE Program

3.3 Using an External Text Editor

3.3.1 The SET DEVELOPMENT ON/OFF Command

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4.2.2 The Design Phase

4.2.3 The Detailed Design Phase

4.2.4 The Coding Phase

4.2.5 The Testing and Debugging Phase

4.3 Types of Programs

4.3.1 Batch Programs

4.3.2 Menu Programs

4.3.3 Interactive Programs

4.4 An Illustrative Example: Case Study 1

4.4.1 The Analysis Phase

4.4.2 The Design Phase

4.4.3 The Detailed Design Phase

4.4.4 The Coding Phase

4.4.5 The Testing and Debugging Phase

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**Key Concepts** 

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