

<b>Chapter 1: Table Handling</b>
You will learn: <ul style="list-style-type: none"><li>• When to use a table.</li><li>• To allocate and initialize a table.</li><li>• Differences between a subscripted and indexed table.</li><li>• Sequential searching of a table.</li><li>• Perform a binary search of a table.</li><li>• Table handling techniques.</li></ul>
<b>Chapter 2: Internal Sorts</b>
You will learn: <ul style="list-style-type: none"><li>• Role and purpose of sorting.</li><li>• Advantages/disadvantages of an internal and external sort.</li><li>• Coding the Data Division for a sort.</li><li>• SORT verb.</li><li>• Coding input and output procedures.</li><li>• Release and return statements.</li><li>• Coding the sort options.</li></ul>
<b>Chapter 3: Compilation</b>
You will learn: <ul style="list-style-type: none"><li>• Sections of the compile listing.</li><li>• Cross reference listings.</li><li>• Determining the compiler options in effect.</li><li>• Overriding default compiler options.</li></ul>
<b>Chapter 4: Structured Program Design</b>
You will learn: <ul style="list-style-type: none"><li>• Features of COBOL to facilitate structured programming.</li><li>• COBOL structured programming techniques.</li><li>• Advantages/disadvantages of structured programming.</li></ul>
<b>Chapter 5: VSAM: Introduction</b>
You will learn: <ul style="list-style-type: none"><li>• Organization of VSAM.</li><li>• VSAM datasets: ESDS, RRDS, and KSDS.</li><li>• Access Method Services.</li><li>• AMS, functional, and modal commands.</li></ul>

**Chapter 6: COBOL and VSAM**

You will learn:

- Characteristics of a VSAM dataset.
- Defining a VSAM dataset in a program.
- Coding the Select and FD for data division declarations.
- Concept of a Current Record Pointer.
- Process VSAM datasets.
- Manage error processing.
- Read and write to a KSDS.
- FILE STATUS values.

**Chapter 7: Related Programs and Subprograms**

You will learn:

- Coding and invoking subprograms.
- Reasons for using subprograms.
- Coding the CALL and GOBACK statements.
- Advantages of a subprogram.
- COBOL subprogram linkage mechanism for multiple entry points.

**Chapter 8: Intrinsic Functions**

You will learn:

- How to use and code intrinsic functions.
- Available functions.

**Chapter 9: Nested Programs**

You will learn:

- Nested programs - advantages.
- How to use a common area to share data.
- External in File Section to perform I/O in multiple subroutines.
- Calling nested programs.
- Scope of names in a nested structure.

**Chapter 10: Passing Data**

You will learn:

- Passing and returning data with user written functions.
- Coding the Procedure Division Returning and Call . . . Returning.
- Sharing data using the External Clause.

**Chapter 11: COBOL Debugging**

You will learn:

- Architecture of the load module.
- How to determine the base address.
- Run-time control blocks.

**Chapter 12: Factors Affecting Performance**

You will learn:

- COBOL performance issues.
- Performance issues for structured code.
- Performance programming techniques.

**Chapter 13: Advanced Topics**

You will learn:

- COBOL features related to debugging.
- Advantages and disadvantages of static and dynamic CALLs.
- Compiler options for testing and debugging.
- ABEND information produced by FDUMP.