

Chapter 1: IMS/DB Introduction and Structure
You will learn: <ul style="list-style-type: none">• Database requirements.• Database terminology such as segment, parentage, hierarchical path, PCB, PSB, DBD, ACB.• Identify the principal database access methods and describe their use.• Converting from IMS to VSAM.• How the database is created.• DL/1 calls.• Explain how segments are arranged in a database record.• Given a description of segments in a database record, draw the appropriate hierarchical chart.
Chapter 2: Retrieve Calls
You will learn: <ul style="list-style-type: none">• IMS programming interface.• IMS calls.• PCB masks.• Segment Search Arguments.• GET Calls.• Status codes.• Program Execution.
Chapter 3: Boolean SSAs, Update Calls and Command Codes
You will learn: <ul style="list-style-type: none">• Compound SSA's.• GET HOLD Calls.• Calls: Insert, Delete, and Replace.• Status codes.• Command codes.
Chapter 4: PSB and ACB Generation
You will learn: <ul style="list-style-type: none">• Program development.• Processing options.• Creating the ACB.
Chapter 5: Database Characteristics
You will learn: <ul style="list-style-type: none">• Database types: HDAM, HIDAM, HSAM, and HISAM.• Segment format.• Pointers.

Chapter 6: DEDBs
You will learn: <ul style="list-style-type: none">• DEDB area.• Area structure.• Sequential dependent segments.
Chapter 7: IMS Operations
You will learn: <ul style="list-style-type: none">• Transaction processing.• Starting an IMS DB/DC system.• Dependent regions.• DB/DC, DCCTL, and DBCTL subsystem.• IMS commands.• Online changes.
Chapter 8: Advanced IMS Features
You will learn: <ul style="list-style-type: none">• Secondary indexing.• Secondary indexing characteristics.• Building a secondary index.• Logical relationships.
Chapter 9: IMS Testing and Debugging
You will learn: <ul style="list-style-type: none">• DFSDDLTO statements.• JCL for Running DFSDDLTO.• DL/1 Trace.
Chapter 10: IMS Recovery
You will learn: <ul style="list-style-type: none">• Database Recovery Control.• Extended Recovery Facility.• Utilities.
Chapter 11: System Service Calls
You will learn: <ul style="list-style-type: none">• Code system service calls.• Coding techniques.

Chapter 12: IMS Message Processing

You will learn:

- Message queue.
- Scheduling the program.
- Message and schedule management.
- Processing Fast Path transactions.

Chapter 13: IMS Message Processing

You will learn:

- Message scheduling and workload limit.
- Message types.
- Message layouts.
- Sending/receiving messages.
- Segmented messages.
- Status codes.
- Alternate PCBs.
- Conversational programs and the SPA.

Chapter 14: Message Format Services

You will learn:

- DIF/DOF: function and parameters.
- MID/MOD function and parameters.
- MFSGEN.