

**Chapter 1: The IMS DC System**

You will learn:

- IMS software.
- IMS data communications facilities.
- ACB - Application Control Blocks.
- IMS DC system.
- Two types of DC application programs.
- Message Processing vs Batch Message Processing.
- IMS DC Control Program.
- IMS Master Terminal.
- Message queues.
- Transaction codes.
- IMS logging/restart.
- Program isolation.
- Conversational processing.
- Security.

**Chapter 2: Program Communication with DL/1**

You will learn:

- DBD: Data Base Description.
- DBD Control Statements.
- PSB: Program Specification Block.
- Logic flow using I/O PCB - COBOL, PL/1, and Assembler.
- ALTPCB.
- Alternate Destination Message Flow - fixed and modifiable.
- Telecommunication PCBs.
- PCB masks.

**Chapter 3: Message Handling**

You will learn:

- Input message.
- Segment formats.
- Coding the input area.
- Calls and status codes.
- QC status code.
- Output message.
- Output segment format.
- Coding the output area.
- Coding ISRT call.
- Program to program communication.
- Modifiable ALTPCB.
- Calls - CHNG, PURGE, PURGE Call/ALTPCB, and IMS DC.

**Chapter 4: Conversational Programming**

You will learn:

- Conversational vs. Non conversational programming.
- SPA: Scratch Pad Area.
- Retrieving/sending a SPA.
- Conversational control block creation.
- SPA output flows internals.
- Program to program switching.
- Deferred message switching.
- Terminating a conversation.
- Conversational/data base update.
- SPA alternatives.
- ALTRESP/SAMETRM.

**Chapter 5: Programming Considerations and System Service Calls**

You will learn:

- Online execution ABEND.
- SYNC points.
- IMS logging system.
- SYNC PT/MODE.
- SNGL vs. MULT.
- CHKP call.
- Basic CHKP vs. MODE.
- CHKP PLACEMENT.
- Program ABENDS.
- Pseudo ABEND.
- Error handler.
- Express PCB.
- System Service calls.
- Enqueueing facilities.
- Q command.
- DEQ call.
- STAT call.