

Chapter 1: Introduction and Overview

You will learn:

- Capabilities and features.
- On-line and batch applications.
- Utilities.
- Steps in development process.
- Generating applications.

Chapter 2: Components

You will learn:

- Terminology
- MSL: Member Specification Library
- CSP/AD: facilities.
- Map and application.
- Test and generation.
- CSP/AE: application execution.
- Programming sequence.
- Screen definition.
- Field attribute definition.
- Edit checking order.
- Application definition.

Chapter 3: Using Screens

You will learn:

- Command format.
- Argument values.
- Languages supported.
- Preparation of Command Level programs for execution.
- RECEIVE command line.
- CICS listing - sample.
- Referencing areas outside the program.
- COBOL linkage Section.
- EIB: EXECUTE INTERFACE BLOCK.
- Program structure.
- Paging effects - reduction.
- Working set - minimizing the size.

Chapter 4: Starting CSP

You will learn:

- HANDLE CONDITIONS command.
- IGNORE CONDITION.
- NOHANDLE OPTION.
- Alternative to HANDLE CONDITION.
- Structured handling.
- Nonstructured exception handling.
- Functions codes.
- Response codes.
- ABEND processing.

Chapter 5: VSAM Record Definition

You will learn:

- 3270 Native-mode programming.
- 3270 output.
- 3270 input.
- SEND command.
- RECEIVE command.
- RECEIVE/SEND program.

Chapter 6: DB2 Record Definition

You will learn:

- Creating a mapset.
- Physical maps.
- Symbolic maps.
- Map definition.
- Data formats.
- DFHMSD, DFHMDD, DFHMDF macro.
- Single-map page.
- BMS COPYBOOK.
- Symbolic maps - copying into programs.
- Simple send map.
- RECEIVE MAP command.
- SEND MAP command.
- Page building.
- Disposition.
- Control options.
- SEND PAGE command.
- PURGE MESSAGE command.
- BMS exceptional conditions.
- Standard attribute / Printer Control Character List (DFHBMSCA).
- HANDLE AID command.
- Alternative to HANDLE AID.
- Attributes for use with CICS/VS.

Chapter 7: Map Definition

You will learn:

- TRACE function.
- Passing control among programs within a task.
- LINK and XCTL commands.
- RETURN command.
- Passing data between programs and tasks.
- COMMAREA option.
- Passing data in CICS areas.
- ADDRESS command.
- ASSIGN command.
- Conversational vs pseudo-conversational design.
- LOAD command.
- RELEASE command.
- Abnormal task termination.
- ABEND command.
- ABEND exits and logical levels.
- Program control exceptional conditions.

Chapter 8: Process and Statement Groups

You will learn:

- Record identification.
- Read command.
- UPDATE option.
- REWRITE command.
- DELETE command.
- UNLOCK command.
- WRITE command.
- STARTBR command.
- READNEXT and READPREV commands.
- RESETBR command.
- VSAM Skip-sequential processing.
- ENDBR command.
- File control exceptional conditions.
- VSAM BROWSE program.

Chapter 9: Creating an Application

You will learn:

- Temporary storage - purpose and function.
- WRITEQ TS command.
- READQ TS command.
- DELETEQ TS command.
- Temporary storage exceptional conditions.
- Temporary storage program.

Chapter 10: List Processor

You will learn:

- Transient data.
- Extrapartition transient data.
- Intrapartition transient data.
- WRITEQ TD command.
- READQ TD command.
- DELETEQ TD command.
- Transient data exceptional conditions.

Chapter 11: Testing Applications

You will learn:

- TRACE function.
- Trace entry formats.
- ENTER command.
- TRACE command.
- DUMP function.

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Chapter 12: Using Tables

You will learn:

- Column definition.
- Naming a table.
- Table definition Selection Screen.
- Function Selection Screen
- Table specifications.
- Range match valid table.
- Columns definition.
- Defining table columns.
- Contents definition.
- Message table.
- Table Prologue Screen.
- Table Process Commands - FIND.
- RETR statement.

Chapter 13: File Maintenance and Other Utilities

You will learn:

- VSAM utilities.
- Function request screen.
- Item Contents - Display Screens.
- Member Print Utility.
- Member Print Screen.
- Export/Import screen.
- Selective import.
- Copy.
- Rename.
- Delete.