

Chapter 1: Running a Simple Job

You will learn:

- z/OS operating system and resource management.
- The role and functions of JCL.
- How to code basic JCL statements.
- JCL syntax and naming rules.
- How to use JCL for running a utility program.
- How to interpret JCL listings.
- IEBGENER utility.
- Allocation and termination messages.
- Utility messages.

Chapter 2: Using Existing Datasets

You will learn:

- Coding DD statement parameters for existing datasets.
- Coding statements for tape datasets.
- Concatenating input datasets.
- Managing tape datasets.
- Tape operation concepts.
- Catalog maintenance.
- IEHLIST utility program - listing the content of a catalog.
- Utility control statements.
- LISTCTLG control statement - generate a catalog listing.
- IEHPROGM utility program - adding and deleting catalog entries.

Chapter 3: Creating Datasets

You will learn:

- How to create new tape and disk datasets.
- DCB: Data Control Block.
- Calculating space requirements.
- Utilities for maintaining disk datasets.
- VTOC: listing.

Chapter 4: Non-sequential Dataset

You will learn:

- Creating and using members in a partitioned dataset.
- How to create and maintain partitioned datasets.
- Creating and maintaining VSAM datasets.
- IEHLIST utility program.
- IEBCOPY utility program.
- IEHPROGM utility program.
- VSAM concepts and JCL: VSAM datasets.
- IDCAMS - VSAM utility.

Chapter 5: Running Complex Jobs

You will learn:

- Controlling program execution.
- JCL syntax: checking without execution.
- Passing information to a program.
- DD statement - special functions.
- Program dumps.
- Backward references and referbacks.
- Conditional program execution.
- Return codes.
- Testing for an abend.
- Restarting a job and checkpoint restarts.

Chapter 6: Procedures

You will learn:

- How to execute procedures.
- Modify existing procedures.
- Utilities for maintaining procedure libraries.
- Procedures: catalog and in-stream.
- Overriding parameter values.
- Symbolic parameters.
- Writing procedures.
- In-stream procedures.
- Utilities for procedures.