

Chapter 1: Introduction

You will learn:

- Introduction to SAS.
- Base SAS.
- Information storage and retrieval.
- Data modification and programming.
- Report writing.
- File handling.
- Other SAS system products.

Chapter 2: Fundamentals

You will learn:

- SAS statements.
- Keywords.
- Names.
- SAS program.
- Data steps and proc step.
- Definitions.
- Variable attributes.
- Writing SAS programs.
- Sas variable lists.
- Expressions.

Chapter 3: Data Step

You will learn:

- Purpose and function.
- Data step commands.
- Creating SAS data sets.
- Writing reports.
- Data step flow.
- Data step statements.
- File-handling statements.
- Action statements.
- Arithmetic operators.
- Comparison operators.
- Logical operators.

Chapter 4: SAS Statements

You will learn:

- Types of files the SAS systems can read.
- Data statements.
- Using special SAS data set names.
- Cards.
- Input statement.
- Column input.
- List input.
- Formatted input.
- Advanced input statement features.
- Output statement.
- Subsets.
- Infile statement.
- List style.
- Input mixed record types.
- Concatenating data sets.
- Interleaving data sets.
- Merge statement.
- Options for VSAM files.
- File statement.
- By statement.
- Labels.
- Go to statement.
- If statement.

Chapter 5: SAS Functions

You will learn:

- Probability functions.
- Sample statistic functions.
- Random number functions.
- Character functions.
- Date/time functions.
- State and zip code functions.
- Sas Programming.

Chapter 6: SAS Statements Used in the PROC Step

You will learn:

- Proc statement.
- Attrib statement.
- By statement.
- Class statement.
- Format statement.
- Freq statement.
- Id statement.
- Label statement.
- Model statement.
- Output statement.
- Var statement.
- Weight statement.
- Proc sort command format.
- Proc print command format.
- Proc format command format.
- Proc format.

Chapter 7: Format Procedure

You will learn:

- Function and use.
- Format specifications.
- Defining formats.
- Proc format statement.
- Temporary and permanent formats.
- Format procedure with the format statement.
- Numeric value substitution.
- Value statement.
- Inclusive and exclusive.
- Values not specified.
- Picture statement.
- Digit and message characters.
- Picture statement.
- Character data limitations.
- Temporary and permanent formats os batch.

Chapter 8: Base Procedures

You will learn:

- Forms procedures.
- Proc forms statements.
- Proc forms statement options to control form placement.
- Proc forms statement page layout options.
- Proc forms statement other options.
- Line statement.
- Freq statement.
- By statement.
- Sample mailing labels.
- Append procedure.
- Append usage notes.
- Append.
- Copy procedure overview.
- Copy procedure format.
- Proc copy parameters.
- Proc copy options.
- Proc copy statement.
- Select statement.
- Proc copy select options.
- Exclude statement.
- Specifying member names.
- MVS member names.
- Contents procedure.
- Proc contents format.

Chapter 9: Informat and Format

You will learn:

- Informat and formats.
- Informat descriptions numeric.
- Informat descriptions character.
- Sas numeric and character formats.
- Format descriptions numeric.
- Sas date, time and datetime informat descriptions.
- Using sas date, time, and datetime .
- Date, time, and datetime informat descriptions.