SAS(R) SQL 1: Essentials

Code:	SQ1M6
Length:	0 days
URL:	View Online

This course teaches you how to process SAS data using Structured Query Language (SQL).

Skills Gained

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- Query and subset data.
- Summarize and present data.
- Combine tables using joins and set operators.
- Create and modify tables and views.
- Create data-driven macro variables using a query.
- Access DBMS data with SAS/ACCESS technology.

Who Can Benefit

- SAS programmers and business analysts

Prerequisites

- Before attending this class, you should be able to do the following:
- Submit SAS programs on your operating system.
- Create and access SAS data sets.
- Use arithmetic, comparison, and logical operators.
- Invoke SAS procedures.

Course Details

Essentials

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- Setting up for this course.
- Overview of SAS Foundation.

- Course logistics.
- Course data files.
- Introducing the Structured Query Language.
- Overview of the SQL procedure.
- Exploring tables.
- Specifying columns.

PROC SQL Fundamentals

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- Subsetting data.
- Presenting data.
- Summarizing data.
- Creating and managing tables.
- Using DICTIONARY tables.

SQL Joins

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- Introduction to SQL joins.
- Inner joins.
- Outer joins.
- Complex SQL joins.

Subqueries

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- Noncorrelated subqueries.
- Correlated subqueries.
- In-line views.
- Creating views with the SQL procedure.
- Subqueries in the SELECT clause.
- Remerging summary statistics.

Set Operators

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- Introduction to set operators.
- The INTERSECT operator.
- The EXCEPT operator.
- The UNION operator.
- The OUTER UNION operator.

Using and Creating Macro Variables in SQL

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- Interfacing PROC SQL with the macro language.

- Creating data-driven macro variables with a query.
- Using macro variables in SQL.

Accessing DBMS Data with SAS/ACCESS

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- Overview of SAS/ACCESS technology.
- SQL pass-through facility.
- SAS/ACCESS LIBNAME statement.
- PROC FedSQL.

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