

SAS(R) SQL 1: Essentials

| | |
|----------------|-----------------------------|
| Code: | SQ1M6 |
| Length: | 2 days |
| URL: | View Online |

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

Skills Gained

- 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

- 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

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

SQL Joins

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

Subqueries

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

Set Operators

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

Using and Creating Macro Variables in SQL

- 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

- Overview of SAS/ACCESS technology.
- SQL pass-through facility.

- SAS/ACCESS LIBNAME statement.
- PROC FedSQL.

Schedule (as of 1)

| Date | Location | | |
|-----------------------------|----------|-----|------------------------|
| Mar 8, 2021 – Mar 12, 2021 | Virtual | GTR | Enroll |
| Apr 12, 2021 – Apr 13, 2021 | Virtual | | Enroll |
| Apr 19, 2021 – Apr 23, 2021 | Virtual | | Enroll |
| Jun 14, 2021 – Jun 18, 2021 | Virtual | | Enroll |
| Jul 19, 2021 – Jul 23, 2021 | Virtual | | Enroll |
| Aug 30, 2021 – Aug 31, 2021 | Virtual | | Enroll |
| Sep 13, 2021 – Sep 17, 2021 | Virtual | | Enroll |
| Oct 18, 2021 – Oct 22, 2021 | Virtual | | Enroll |
| Nov 8, 2021 – Nov 9, 2021 | Virtual | | Enroll |
| Dec 6, 2021 – Dec 10, 2021 | Virtual | | Enroll |
| Dec 13, 2021 – Dec 17, 2021 | Virtual | | Enroll |

Download Whitepaper: Transforming Software Development in the Enterprise: Agile, DevOps and Kubernetes
Get Your Free Copy Now