



Base 3 Systems delivers knowledge

Through exceptionally well-documented training courses delivered by highly qualified instructors, re-enforced with relevant industry specific exercises and, if required, one to one mentoring.

About Base 3 Systems

Base 3 Systems is an established, highly regarded Software Consultancy and SAS Institute Consulting Alliance Partner, specialising in solutions to business problems using SAS® Software.

Our instructors are all experienced SAS consultants who have been using SAS software for many years. The approach we use is to tackle learning needs by reinforcing the technical information delivered on our training courses with comprehensive practical sessions, leading to much more workshop based, rather than 'stand and deliver' courses.

Our standard courses are appropriate for a wide range of abilities and centre around the core of the SAS System. All are developed with MS Windows in mind, however, they can be tailored to suit your operating system requirements.

The costs of courses are extremely competitive and will vary according to number of attendees, duration of course and individual requirements. Please note that, unlike our competitors, we do not offer public courses. Instead, our standard courses are delivered exclusively to your organisation at public course prices.



Base 3 Systems Head Office and Training Rooms

SAS® SQL

Course Aims

After attending this course, attendees should be able to use the SQL procedure to: create, query, delete, update and modify SAS data; combine SAS tables; apply conditional processing in queries; summarize data; report on data; and create macro variables.

Duration

2 days

Required Knowledge

Attendees should have a level of knowledge equivalent to that given by Programming with SAS. No previous experience of SQL is required.



SAS® SQL - Concepts Covered

Queries

- *What is a Query?*
- *How to Access Tables in a Query*
- *How to Subset Data in a Query*
- *How to Create Tables & Views with SQL*
- *How to Sort Data with SQL*
- *How to Process Groups with SQL*
- *How to Report with SQL*

SAS SQL Joins

- *Inner Joins*
- *Left & Right Joins*
- *Full Joins*

SAS SQL Set Operators

- *Union*
- *Outer Union*
- *Except*
- *Intersect*

Further Topics in SQL

- *Updating Rows*
- *Adding Rows*
- *Conditional Processing*
- *Formats & Informats*
- *Indexes*
- *Numeric Functions*
- *String Functions*
- *Creating Macro Variables*

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