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

Advanced SAS® Programming

Course Aims

After attending this course, attendees should have an understanding of efficiency techniques that may be employed, and the balance between efficiency and maintainability of SAS code, enabling streamlining of existing code and development of new code that meets efficiency requirements.

Duration

1 day

Required Knowledge

Attendees should have attended Programming with SAS or have at least five months experience of programming with the SAS System.

Advanced SAS® Programming - Concepts Covered

Efficiency Concepts
- *Real time vs Elapsed time*
- *I/O usage*
- *Data storage*
- *Benchmarking*
- *Efficiency vs Maintainability*

Raw Data
- *Reading raw data files efficiently*
- *Writing raw data files efficiently*

Indexes
- *Understanding indexes*
- *Creating indexes*
- *Deleting and recreating indexes*
- *Overheads of indexes*

Efficient Storage of SAS Tables
- *Variable definitions*
- *Views*
- *Compression techniques*

Efficient Use of SAS Tables
- *Randomly accessing data*
- *Working with Transaction Datasets*
- *Creating data with SAS Procedures*
- *Formats as an efficiency technique*
- *Sub setting*

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