

## SQL for BI developers

### SQL - Writing SQL for Business Intelligence Training



#### Introduction

This 1-day instructor led training course provides delegates with the technical skills required to write basic SQL queries using Microsoft SQL Server or Oracle.

#### Content

Duration: 1 day

Getting Started with Databases and SQL

- Overview of SQL server databases
- Overview and syntax elements SQL
- Working with SQL scripts
- Using SQL querying tools
- Using SQL server management studio

Querying and Filtering Data

- Using the SELECT statement
- Filtering data
- Working with NULL values
- Formatting result Sets
- Performance considerations for writing queries
- Querying and filtering data

Joining Data from Multiple Tables

- Querying multiple tables by using joins
- Applying joins for typical reporting needs
- Combining and limiting result set

Grouping & Summarising Data

- Summarising data by using aggregate functions
- Summarising grouped data
- Ranking grouped data

- Creating crosstab queries
- Grouping and summarising data

### Working with Sub-queries

- Writing basic sub queries
- Writing correlated sub queries
- Comparing sub queries with joins and temporary tables
- Using common table expressions (CTE)
- Working with sub-queries

### Modifying Data in Tables

- Inserting data into tables
- Deleting data from tables
- Updating data in tables
- Overview of transactions
- Modifying data in tables

### Using programming objects for Data Retrieval

- Creation of views
- Creation of user-defined functions
- Creation of stored procedures
- Overview of triggers
- Writing distributed queries

## Goals

### Prerequisites

Experience with these subject areas is strongly recommended:

- Basic Relational database knowledge

### Additional Education

If you want to further increase your skill and knowledge, the following additional courses are recommended

- Data Warehousing ETL Process

### Variants

- On Site
  - on request | Price: on request
- London
  - on request | Price: on request
  - Feb 8, 2016 | Price: €665.00
  - Apr 4, 2016 | Price: €665.00
- Birmingham
  - on request | Price: on request
- Bristol
  - on request | Price: on request
- Cardiff
  - on request | Price: on request

- Copenhagen
  - on request | Price: on request
- Glasgow
  - on request | Price: on request
- Manchester
  - on request | Price: on request
- Oslo
  - on request | Price: on request
- Stockholm
  - on request | Price: on request