



# INTRODUCTION SQL

MAXIMUM IMPACT SOLUTIONS LIMITED

## Course Objectives:

On completion of this course delegates will be able to write SQL code to ANSI standard

## Target Audience:

This course is designed for those that need to know how to query databases using SQL

## Pre-requisites:

Delegates must be able to use a Microsoft Windows and a mouse

**Delivery and duration: 1 day On-site Instructor led course.**

## Course Outline:

### Introduction of Database Concepts

Overview of Databases  
Overview of Database Structure  
Overview of Fields & Data Types

### The SELECT clause

Overview of the SELECT clause  
Using Field Aliases  
Writing DateTime Formulas  
Writing String Formulas  
Using the CASE Statement  
Using the CAST & CONVERT functions

### The FROM clause

Overview of the FROM clause  
Linking  
Using Table Aliases  
Joining Multiple Tables  
Overview of the Join Types

### The WHERE clause

Overview of the WHERE clause  
Creating single Criteria  
Using the AND, OR & IN operators  
Using Parameters

### The ORDER BY clause

Overview of the ORDER BY clause  
The Order By syntax  
Top/Bottom N  
Top/Bottom Percentage

### Aggregate SQL Statements

Overview of the Aggregate functions  
Overview of the GROUP BY clause  
Overview of the HAVING clause



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**Maximum No. Delegates: 6**

**Follow up course(s):**

Advanced SQL

**Tailored courses are available, for more information contact:**

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