Intro To SQL

COURSE DESCRIPTION:

This course develops a basic understanding of SQL. This is a hands-on course - students learn to write/and type out the SQL using the SQL view within an SQL Editor (such as Note Pad, Crystal Reports, SQL Server Management Studio).

SELECT CLAUSE (RETRIEVING DATA AND PERFORMING CALCULATIONS)

Retrieving Single, Multiple, All Fields

Aliasing Fields

Performing (Non-Summary) Calculations

Concatenating

FROM CLAUSE

Aliasing Tables

WHERE Clause (Filtering Data)

Filtering on a field using operators

Linking via a where clause

Not, In, Like Operators

GROUP BY/HAVING CLAUSE (SUMMARIES)

Summary queries versus detail queries

Using Aggregate functions (SUM/COUNT/MAX/MIN)

Using HAVING Clause to filter on Subtotals

ORDER BY CLAUSE (SORTING)

Sorting Ascending, Descending on Single and Multiple fields

Using ORDER BY with TOP N

INNER/OUTER/CROSS JOINS (UNDERSTANDING LINKING)

Including Mismatched Data

Finding Only Mismatched Data

UNION JOINS (COMBINING DATA)

Vertical Linking

DISTINCT (REMOVING DUPLICATES)

Selecting Unique Records

SUBSELECT STATEMENTS (ADDITIONAL TOPIC – TIME PERMITTING)

Creating SubQueries/SubSelects/Derived Tables