Learning Objectives – Basic SQL Course

By the end of this course you will -

- Understand the different types of application and the various data operations.

- Get a detailed idea about information management and Structured Query Language (SQL)

- Understand how data modeling is done. Be able to find the relationships between entities and normalize up to 3 NF.

- Understand the various basic SQL statements and its usage.

- Be thorough with the significant SQL concepts like aggregate functions and joins.

- Be able to write and execute the basic SQL queries and debug them.

TATA CONSULTANCY SERVICES

Contents

Chapter/Level	More specifics on Content (Sub-Levels)
Application Understanding	Layers and Tiers, CRUD
Introduction to Database Management Systems	
RDBMS & SQL	
ERD Modeling	
Normalization	
SELECT (Data Query Language)	
DDL	Constraints Alter command - various usages Difference between Delete & Truncate

Contents

Chapter/Level	More specifics on Content (Sub-Levels)
DML	
TCL - Commit, Rollback, SavePoint	
SQL Functions - Number & String, NVL,NVL2, NULLIF	
AGGREGATE/GROUP functions of SQL	
Joins	Cartesian, Equi, Left outer, Right outer, Full outer
Conclusion	

TATA CONSULTANCY SERVICES