



QUICKSTEP COMPUTER CENTER

National Accreditation Board of Education Training.
(NABET)- Quality council of India) An ISO 9001:2008

SQL Course Content

1. Users and Schemas

- ✓ Introduction to Users and Schemas
- ✓ Definitions and Client Tools
- ✓ SQL Developer Login
- ✓ Creating An Application Schema

2. Pseudo Columns & Functions

- ✓ Using The Dual Table
- ✓ Functions
- ✓ Pseudo-Columns
- ✓ Using Rowid
- ✓ Using Rownum

3. Using Subqueries

- ✓ Simple Subqueries
- ✓ Inline Views
- ✓ Correlated Subqueries
- ✓ Scalar Subquery

4. Joining Tables

- ✓ Review of Joins
- ✓ Equijoins
- ✓ Inner Joins
- ✓ Outer Joins
- ✓ Cross Joins
- ✓ Natural Joins
- ✓ Using Named Subqueries

5. Group Operations

- ✓ About Group Processing
- ✓ Simple GROUP BY

- ✓ ROLLUP Function

6. Using Set Operators

- ✓ Set Operators Defined
- ✓ Relationship to Mathematical Set Theory
- ✓ Restrictions on Set Operators

7. Conditional Processing

- ✓ The DECODE Function
- ✓ The Case Expression
- ✓ Exercise: Conditional Processing

8. SQL Functions (Character)

- ✓ What Are SQL Functions?
- ✓ Character Functions
- ✓ CONCAT
- ✓ LENGTH
- ✓ INSTR
- ✓ REPLACE
- ✓ UPPER
- ✓ LOWER
- ✓ INITCAP
- ✓ LPAD
- ✓ RPAD
- ✓ TRIM
- ✓ TO_CHAR
- ✓ SOUNDEX

9. SQL Functions (Non-Character)

- ✓ Numeric Functions
- ✓ The TO_CHAR Function with numbers
- ✓ Date/Time Functions
- ✓ Date Format Functions
- ✓ Date Arithmetic Functions
- ✓ Null Value Functions

10. SQL Data Manipulation Language

- ✓ The INSERT Statement
- ✓ INSERT Statement Categories

- ✓ The UPDATE Statement
- ✓ The DELETE Statement
- ✓ Transactions
- ✓ Complex Table References
- ✓ The MERGE statement

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