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## ORACLE8i FOR END USERS

Duration: 2 days

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### *As an Oracle End User, develop the basic skills to effectively work with Oracle and relational databases*

#### Course Description:

This course is a hands-on, basic level Oracle course for the end user and assumes the participant has no prior knowledge of Oracle or relational databases.

#### Participants will learn...

- A basic understanding of general relational database terminology
- To initiate basic Oracle SQL commands
- To perform queries with SQL\*Plus

#### Who Needs to Attend:

End Users, Managers

#### Prerequisites:

None

#### Course Content:

##### DATABASE MANAGEMENT SYSTEM (DBMS) OVERVIEW

- Database
- Database management systems (DBMS)
- Types of DBMS

##### FUNDAMENTALS OF RELATIONAL DATABASE MANAGEMENT SYSTEMS (RDBMS)

- Relational database principles
- Duplicate and null values
- Primary key Foreign key

##### SQL\*PLUS

- The SQL\*Plus environment
- Invoking SQL\*Plus
- Leaving SQL\*Plus
- Entering and Executing commands
- The SQL buffer
- Basic SQL\*Plus commands
- Login SQL
- The SELECT command
- Column aliases
- Distinct and all operators

##### STRUCTURED QUERY LANGUAGE (SQL) ELEMENTS

- Structured Query Language (SQL)
- Database objects
- View
- Synonym
- Object naming
- Object reference
- Data dictionary
- The dual table
- Data types
- Literal/constant
- Arithmetic operators
- Character operators
- Expression

##### THE WHERE CLAUSE

- The WHERE clause
- Comparison operators
- String matching
- Logical operators
- Parenthesis

##### FUNCTIONS

- Functions
- Number, character, date, other functions
- Conversions functions
- TO\_CHAR
- TO\_NUMBER
- TO\_DATE
- Format models
- Date format models

##### ORDERING AND GROUPING

- Order By functions
- Group functions

##### THE JOIN CONDITION

- The join condition
- Table aliases
- Outer join
- Set operators

##### SUBQUERY

- Subquery
- Correlated subquery

##### DATA MANIPULATION (DML)

- Data manipulation (DML) commands
- Transaction control commands

#### Course Labs:

1. RDBMS
2. SQL\*Plus basics
3. SQL language elements
4. WHERE clause
5. Functions
6. Ordering and grouping
7. Joining
8. Subquery
9. DML