

# Kore Infotech Learning Centre

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## Oracle DB PL/SQL

- What is database
- Need for a relational database
- Understanding the basic Oracle Architecture
- Understanding the different data types in Oracle
- Understanding the different statement types in Oracle
- Creating, Altering and Dropping Tables
- What is a constraint and different types of constraints
- Creating, altering and dropping constraints
- Retrieving data from tables using SELECT
- The WHERE clause
- Conditional Comparisons
- The ORDER BY clause
- understanding joins (Natural or Inner, Outer, Self, Equi) and using them in SELECT
- Working with Subquery
- Working with Oracle provided string, number, date and special functions like decode
- The DUAL table
- Working with NULL data
- Working with INSERT
- Working with UPDATE
- Working with DELETE
- Working with TRUNCATE
- What is PL/SQL
- What is an anonymous PL/SQL block
- Variables and Types in PL/SQL
- Writing, compiling and executing Procedures in PL/SQL
- Writing, compiling and executing Functions in PL/SQL
- Writing, compiling and executing Packages in PL/SQL
- Writing, compiling and executing Triggers in PL/SQL
- Working with explicit and implicit cursors in PL/SQL
- Indexes in Oracle
- Views in Oracle
- Synonyms in Oracle
- Sequences in Oracle
- COMMIT vs ROLLBACK vs SAVEPOINT
- What is performance optimization
- Ways of Optimizing a Query
- Creating a Normalized relational database.