

Chapter 1: Introducing Oracle
You will learn: <ul style="list-style-type: none">• The different tasks of a DBA.• The different types of databases.• How to differentiate between the physical and logical structure.• The functions and capabilities of the Oracle tools.• The purpose of the Oracle utilities.
Chapter 2: SQL* Plus
You will learn: <ul style="list-style-type: none">• Purpose and features of SQL*Plus.• Starting/stopping SQL*Plus.• Configuring SQL*Plus.• Executing commands.• SQL buffer.• Formatting columns.
Chapter 3: PL/SQL
You will learn: <ul style="list-style-type: none">• Purpose and features of PL/SQL.• PL/SQL components.• PL/SQL structure.• Variables and constants.• Control structures.• Procedures and functions.• Packages.
Chapter 4: Oracle Instance
You will learn: <ul style="list-style-type: none">• Components of an instance.• Instance parameters and how to configure the instance.• Starting and stopping an instance.• Determine information on an instance via a query.

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Chapter 5: Database Creation

You will learn:

- Establishing an authentication method.
- Creating the initialization parameter file.
- Starting an instance.
- The CREATE DATABASE statement.
- Building data dictionary views.
- Global database name.

Chapter 6: Control File

You will learn:

- Function and value of a control file.
- How to determine the use of control file redundancy.
- How to create additional control files.
- How to perform a backup of the control files.

Chapter 7: Managing Tablespaces

You will learn:

- How to create tablespaces.
- Locally managed tablespaces.
- Bigfile tablespaces.
- Dictionary-managed tablespaces.
- Multiple tablespaces.
- Monitoring free space.
- Temporary tablespaces.
- Read-only tablespaces.
- Alter tablespace.

Chapter 8: Space for Schema

You will learn:

- Purpose and features of data blocks.
- Specifying PCTREE parameters.
- Space usage of datatypes.
- Displaying information about space usage.

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Chapter 9: Tables
You will learn: <ul style="list-style-type: none">• Types of tables.• Creating tables.• Inserting data into tables.• Collecting statistics on tables.• Modifying tables.• Using the recycle bin.
Chapter 10: Indexes
You will learn: <ul style="list-style-type: none">• Definition and purpose of indexes.• Indexing for performance.• Creating an index explicitly.• Monitoring index space.
Chapter 11: Views, Sequences, and Synonyms
You will learn: <ul style="list-style-type: none">• Managing views.• Managing sequences.• Managing synonyms.• Viewing information about views, sequences, and synonyms.
Chapter 12: Redo Log
You will learn: <ul style="list-style-type: none">• Purpose of the redo and archive log files.• Contents of the redo file.• Place and configure the redo files.• View redo file information.
Chapter 13: Backup and Recovery
You will learn: <ul style="list-style-type: none">• Physical and logical-level backup.• Consistent and inconsistent backups.• RMAN repository.• Performing full backup.• Performing incremental backup.• Recovering a database from backup.

Chapter 14: Java for the DBA

You will learn:

- Where Java fits in with the Oracle database.
- Java terminology associated with JDBC.
- Types of drives provided by Oracle.



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