DevOpsSchool

Course curriculum · November 2026

LEVEL 03 OF 04 · INTERMEDIATE

Oracle Intermediate Training

Administer Oracle instances and storage, back up and recover with RMAN, monitor with AWR and troubleshoot common DBA issues.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **3 days · Days 1-3**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · This curriculum	5 days · Next step

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	35 topics · Foundation to Intermediate
Hands-on labs	3 labs
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/oracle/oracle-intermediate-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Oracle course path, you will be able to:

1

Write effective SQL and PL/SQL

Query, transform and program Oracle data with advanced SQL and PL/SQL.

2

Administer Oracle databases

Manage storage, security, backups, recovery and performance as a working DBA.

3

Design resilient Oracle platforms

Build highly available, secure and tuned databases on premises and in the cloud.

WHAT THE INTERMEDIATE LEVEL ADDS

DBA administration, backup, security and troubleshooting

Hands-on: Back up and recover a database. Enable ARCHIVELOG mode, take RMAN backups, simulate a lost data file and dropped table, and recover both.

WHO SHOULD ATTEND

- Regular Oracle users who want to automate, integrate and manage it at a deeper level.
- Specialists who support Oracle for colleagues or customers.
- Leads preparing Oracle for wider use across projects.

BEFORE YOU START

- The Essential level, or equivalent hands-on experience.
- You can already: Write analytic SQL and PL/SQL programs, design schema objects and manage users, privileges and data loading.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO INTERMEDIATE

Oracle Intermediate Training agenda

35 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Oracle Database architecture, installation and SQL basics

Included from Foundation

1. Oracle Database overview: editions, releases 19c and 23ai, on-premises and Oracle Cloud options
2. Architecture: instance versus database, SGA and PGA memory and background processes such as DBWn and LGWR
3. Storage structures: data files, control files, redo logs, tablespaces, segments, extents and blocks
4. Multitenant architecture: container database (CDB) and pluggable databases (PDBs)
5. Installation: Oracle Database Free in a container or VM, prerequisites and DBCA
6. Tools: SQL*Plus, SQLcl and SQL Developer, and connecting with Easy Connect strings
7. SQL basics: SELECT, WHERE, ORDER BY, single-row functions and NULL handling
8. Joins and subqueries: inner, outer and self joins and correlated subqueries
9. DML and transactions: INSERT, UPDATE, DELETE, MERGE, COMMIT, ROLLBACK and SAVEPOINT
10. DDL: CREATE TABLE, data types, constraints, sequences and identity columns
11. Data dictionary: USER_, ALL_ and DBA_ views and V$ dynamic performance views

DAY 2 — Essential: Advanced SQL, PL/SQL and schema objects

Included from Essential

12. Aggregation: GROUP BY, HAVING, ROLLUP, CUBE and GROUPING SETS
13. Analytic functions: ROW_NUMBER, RANK, LAG, LEAD and running totals with windowing clauses
14. Hierarchical and recursive queries: CONNECT BY and recursive WITH clauses
15. Schema objects: views, materialized views, synonyms and B-tree, bitmap and function-based indexes
16. PL/SQL fundamentals: blocks, variables, control structures, cursors and exception handling
17. Stored procedures, functions and packages: parameters, overloading and package state
18. Triggers: row, statement and compound triggers and when to avoid them
19. Bulk processing: BULK COLLECT and FORALL for faster PL/SQL
20. JSON in Oracle: the JSON data type, JSON_TABLE and JSON relational duality views
21. Security basics: users, roles, system and object privileges and profiles
22. Data loading: SQL*Loader, external tables and Data Pump basics
23. Team workflow: schema scripts in Git and Liquibase-based migrations with SQLcl

DAY 3 — Intermediate: DBA administration, backup, security and troubleshooting

New at this level

24. Instance management: startup and shutdown modes, spfile and pfile and initialization parameters
25. Storage administration: tablespaces, bigfile tablespaces, autoextend, undo and temp management
26. Oracle Net: listener.ora, tnsnames.ora, services and lsnrctl
27. Security administration: unified auditing, password policies and least privilege
28. Backup concepts: ARCHIVELOG mode, RMAN full and incremental backups and the recovery catalog
29. Restore and recovery: complete and point-in-time recovery, Flashback Database and Flashback Table
30. Data Pump: expdp and impdp for schema moves, remapping and transportable tablespaces

31. Monitoring: alert log, ADR with adrci, AWR and ASH reports
32. Performance basics: EXPLAIN PLAN, DBMS_XPLAN and optimizer statistics
33. Automation: DBMS_SCHEDULER jobs and maintenance windows
34. Patching: Release Updates with OPatch and datapatch
35. Troubleshooting: common ORA- errors, blocking sessions and space issues

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Install Oracle and query data

Run Oracle Database Free in a container, create a schema with constraints and write join and subquery reports with SQLcl.

ESSENTIAL

Build a PL/SQL order package

Create an order schema with views and indexes, write a PL/SQL package with bulk processing and exception handling, and report with analytic SQL.

INTERMEDIATE

Back up and recover a database

Enable ARCHIVELOG mode, take RMAN backups, simulate a lost data file and dropped table, and recover both.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Oracle levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	3 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR ORACLE TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/oracle/

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Oracle Intermediate Training

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Next step after this level: Oracle Advanced Training - Design highly available Oracle platforms with RAC and Data Guard, tune performance, harden security and plan upgrades and cloud moves.