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Overview

Oracle SQL and PLSQL skills are a must for any Oracle database developer today. Furthermore, because of the standard nature of the SQL language syntax, one can use these skills even for working with a MS SQL Server database as well.

Additionally, there is a huge demand for Oracle SQL and PLSQL skills in any Oracle related software development position. **One any given day one can find 200+ new job vacancies for Oracle SQL, PL/SQL Developers.**

These skills are also mandatory for varied IT positions such as QA Engineer, Business Analyst, Project Manager and Oracle Business Intelligence Developer (OBIEE Developer) roles.

About DBA University, Inc.

DBA University, Inc. is a professionally run organization based in Chicago, USA that specializes in research, training and consulting services in the field of computer databases. In our training division, we are currently offering courses in Oracle SQL, PLSQL, Oracle DBA, SQL Server DBA and Java Programming using expert instructors and excellent REMOTE LAB access through **affordable prices**.

We are a niche company and very dedicated and committed towards the success of our students. Our courses are **very hands-on** and aimed at **job placement** and preparing our students to face the real world with self-confidence and expert level technical skills.

Most of our courses are taught online and hence students all *over the world* are welcome to register for our courses. Registration for our upcoming courses can be done at <http://www.DBAUniversity.com>

Eligibility

Anyone is eligible to register for the Oracle SQL, PL/SQL training courses. But the below is our recommended target audience.

1. *Students and Professionals who are new to the IT industry and want to know about databases.*
2. *Students and Professionals who want to gain Senior Oracle Developer skills and confidence.*
3. *Students and Professionals who want to gain an excellent knowledge of how Oracle database work and want to work with Relational DATABASES.*
4. *Existing QA Engineers, Business Analysts, Project Managers who want to gain expert level SQL skills and database programming skills.*
5. *Organizations who want to provide Oracle SQL, PL/SQL training to their employees.*

Pricing

We offer expert level Oracle SQL training for \$299 and Oracle PL/SQL training for \$299 only. All the below are included in the training package.

- 1) 12 months of on Demand access to our pre-recorded live training videos on a 24*7 basis.
- 2) Cloud based remote lab access for 6 months (with an option to increase to 12 months).
- 3) Training material PDF book with lab exercises through Dropbox.com email download.
- 4) There are 20 video recordings for Oracle SQL and 13 for Oracle PL/SQL and each video is about 1.5 hours in duration.
- 5) These videos are from a previous Live training. So, you get a similar experience as a live training. Also, the courses are taught using a White Board to provide a classroom like experience.

Purchase Oracle SQL Training at https://dbauniversity.com/course/oracle_sql_training

Purchase Oracle PL/SQL Training at https://dbauniversity.com/course/oracle_plsql_training_course

We accept online DEBIT CARD, CREDIT CARD or PayPal.

Oracle Certified Associate (OCA)

Our Oracle SQL and Oracle PL/SQL courses will help you prepare for the Oracle Database 12c SQL 1Z0-071 and Oracle Database 11g: Program with PL/SQL Exam 1Z0-144 exams as part of the Oracle OCA certification.

Cloud lab Access

- We provide cloud lab access to all students. Students can connect to this remote lab server from a Windows PC or a MAC computer using the Remote Desktop Connection program. So, it is very easy.
- Each student connects to the lab environment with a login username and password.
- We provide SQL*Developer as the Integrated Development Environment (IDE) for learning Oracle SQL and Oracle PL/SQL database programming.

Course Topics

Relational database design

1.1. Computer Database Concepts

1.2. Relational Database Design – An interactive practical example.

1.3. Optimization of database design by using Normalization.

1.4 Installation of Oracle Database Client software.

1.5 Installation of Oracle SQL*Developer.

1.6 Setting up Oracle database connections using NETCA tool.

1.7 How to obtain Entity Relationship Diagram of existing database from SQL*Developer.

1.7. Role of SQL in RDBMS.

Structured Query Language – SQL

Simple SQL statements

- 2.1. Basic SQL construct
- 2.2. Column naming conventions
- 2.3. Importance of NULL
- 2.4. Concatenation operator
- 2.5. Arithmetic operators and expressions
- 2.6. Operator precedence and Parenthesis
- 2.7. Character strings

Tables and Table Joins

- 3.1. Need for joins
- 3.2. Cartesian products
- 3.3. Column aliases
- 3.4. Types of joins
- 3.5. ANSI Syntax and Oracle Syntax for writing Join statements.

Filtering and Sorting data

- 4.1. Limiting rows retrieved
- 4.2. Using LIKE for pattern matching
- 4.3. Using logical operators AND, OR & NOT
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- 4.5. Sorting data using ORDER BY clause

Oracle SQL Functions part 1

- 5.1. SQL Functions overview
- 5.2. What are single row functions?
- 5.3. Using Character functions
- 5.4. Using Number functions
- 5.5. Using Date and timestamp functions. Avoid the YY and RR pitfall.
- 5.6. Using CASE and DECODE functions.
- 5.7. Nested functions
- 5.8. Data type conversion functions
- 5.9. Format masks in SQL functions

Oracle SQL Functions part 2

- 6.1. What are multi row functions?
- 6.2. Various multi row functions
- 6.3. Grouping data with GROUP BY clause
- 6.4. Using the HAVING clause
- 6.5. Sorting GROUP BY data

Nested SQL queries

- 7.1. Need for nested queries
- 7.2. Types of nested queries
- 7.3. USING EXISTS, ALL & ANY operators

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- 8.1. What is data manipulation in a database?
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- 8.5. DELETE statement
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Last but not the least...

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12.3. ROWID & ROWNUM

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Introduction to PLSQL

13.0 History of PL/SQL language and the job market demand for PL/SQL programmers.

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13.4. Bind variables

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13.9. DBMS_OUTPUT.PUT_LINE

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- 15.5. How to label a loop and how to nest a loop.

Exceptions and Exception handling

- 16.1. What are Exceptions?
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- 16.3. Predefined exceptions
- 16.4. The *raise_application_error* built-in procedure and User defined exceptions
- 16.5. Non predefined exceptions
- 16.6. Raising Exceptions
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- 20.2. Forward declaration of subprograms
- 20.3. Creating bodiless package
- 20.4. Persistent state of package variables
- 20.5. Persistent state of package cursor

Oracle Supplied Packages

- 21.1. DBMS_OUTPUT
- 21.2. DBMS_UTILITY
- 21.3. UTL_FILE
- 21.4. DBMS_RANDOM
- 21.5. UTL_MAIL
- 21.6. EXECUTE IMMEDIATE

Oracle utilities

- 22.1. SQL*loader (sqlldr)
- 22.2. The spool and spool append commands.
- 22.3. Profiling PL/SQL code using DBMS_HPROF supplied package.

Composite data types

23.1. Using %ROWTYPE

23.2. PLSQL Records

23.3. PLSQL Table of Records

23.4. INDEX BY Table

23.5. INDEX BY Table of Records

Bulk Data Processing with PL/SQL

24.1. The PL/SQL Run Time engine and SQL Run Time engine

24.2. Context switching between PL/SQL Run Time engine and SQL Run Time engine.

24.3. BULK COLLECT operation in PL/SQL

24.4. FOR ALL operation in PL/SQL

24.5. Exception Handling during Bulk Data Processing.

Unique Teaching Methodology

We use a **DIGITAL WHITE BOARD** for teaching our online courses. There will be **NO power point** slides. Teaching with a DIGITAL WHITE BOARD gives our students a traditional **classroom like experience**. The instructor writes and draws by free hand on the DIGITAL WHITE BOARD and all our students can see it in real time in the online classroom.

More Information

1. Please register online for the Oracle SQL, PL/SQL course at <http://www.DBAUniversity.com>
2. For any additional information email info@DBAUniversity.com. To reach the course instructor directly, please email srini@DBAUniversity.com