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The demand for Oracle PL/SQL programmers

If you work with an Oracle database, you must have good PL/SQL programming skills. Furthermore, because Java is part of Oracle, most of the Oracle software development projects involve PL/SQL database programming tasks. Many Microsoft .NET and other application developers who use Oracle database as the backend repository must be proficient in programming with the Oracle PL/SQL language.

As per the [Tiobe programming index](#) popularity, the Oracle PL/SQL language is among the top 20 most popular programming languages in computer science.

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, PL/SQL, Oracle DBA, SQL Server DBA and Big Data with Hadoop 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.

You are welcome to register for our courses at <http://www.DBAUniversity.com>

At the end of this training, you will get as much confidence like a real professional with 2 to 5 years of real world experience.

Srini Ramineni – Faculty and Founder, DBA University



This Oracle PL/SQL training is provided by Srini Ramineni (Srini). He is based in Chicago, USA.

Srini Ramineni is also the founder of DBA University and a well experienced IT Professional with rich work experience in Oracle databases. He is an ex Oracle Corporation employee and has provides training in an interactive method with lots of LAB practice work in his classes.

He can be reached at srini@DBAUniversity.com

Eligibility

But the below is our recommended target audience for this training course.

1. *Students and Professionals who are already having Oracle SQL language skills.*
2. *Students and Professionals who want to gain Oracle database developer skills.*
3. *Business Intelligence Pros, application developers and Oracle DBAs who want to learn PL/SQL.*
4. *Organizations who want to provide Oracle PL/SQL training to their employees.*

Pricing

We offer Oracle PL/SQL Training at an affordable price of **\$299**. With \$299, you get all the below 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 the access to 1 year.)
- 3) Training material PDF book with lab exercises through Dropbox.com email download.
- 4) There are 13 video recordings for this course 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.

Please register online at https://dbauniversity.com/course/oracle_plsql_training_course/

We accept DEBIT CARD, CREDIT CARD or PayPal.

Students can connect to our remote lab server from a Windows PC or a MAC computer using the Remote Desktop Connection program. So, it is very easy.

Oracle Certified Associate (OCA)

Students can use this training to prepare for most of the topics required for the Oracle Database 11g: Program with PL/SQL Exam 1Z0-144 exam towards the Oracle OCA certification. If you are new to Oracle databases, students must first complete the Oracle SQL Training. It can be purchased at https://dbauniversity.com/course/oracle_sql_training/

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 PL/SQL database programming.

Course Topics

Procedural Language/ Structured Query Language – PLSQL

Introduction to PLSQL

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

1.1. The anonymous PLSQL block

1.2. Variables

1.3. Data types

1.4. Bind variables

1.5. PLSQL operators

1.6. Nested blocks

1.7. Implicit data conversion

1.8. SELECT ... INTO statement

1.9. DBMS_OUTPUT.PUT_LINE

Iterative and Conditional control structures

- 2.1. What is an explicit cursor?
- 2.2. Implicit and explicit cursors
- 2.3. The simple loop (basic loop) and working with a cursor row-by-row.
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- 2.11. The WHILE Loop (3rd iterative control structure)
- 2.12. How to label a loop and how to nest a loop.

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- 3.3. Predefined exceptions
- 3.4. The *raise_application_error* built-in procedure and User defined exceptions
- 3.5. Non predefined exceptions
- 3.6. Raising Exceptions
- 3.7. Trapping Exceptions
- 3.8. Exception propagation in nested calls
- 3.9. The SQLCODE and SQLERRM built-in PL/SQL functions.

Creating Functions

- 4.1. Syntax of CREATE FUNCTION
- 4.2. Benefits of user defined functions
- 4.3. Executing user defined functions
- 4.4. Restrictions on function calls
- 4.5. Dropping functions

Creating Procedures (Stored sub-programs)

- 5.1. What are stored sub-programs (Procedures and Functions?)
- 5.2. Need for Procedures
- 5.3. Syntax of the CREATE PROCEDURE command.
- 5.4. Parameter dispositions
- 5.5. Parameter passing methods (The IN mode, OUT mode and IN OUT mode)
- 5.6. Executing procedures
- 5.7. Exceptions in procedures

Creating Packages (PL/SQL API Development)

- 6.1. What are packages and what is meant by an API (Application Programming Interface) ?
- 6.2. The Need for packages
- 6.3. The Package Specification
- 6.4. The Package Body
- 6.5. Private and Public Package level data
- 6.6. Calling package functions, procedures
- 6.7. Referencing package-level constants and variables

Package Features

- 7.1. Overloading package subprograms
- 7.2. Forward declaration of subprograms
- 7.3. Creating bodiless package
- 7.4. Persistent state of package variables
- 7.5. Persistent state of package cursor

Oracle Supplied Packages

- 8.1. DBMS_OUTPUT
- 8.2. DBMS_UTILITY
- 8.3. UTL_FILE
- 8.4. DBMS_RANDOM
- 8.5. UTL_MAIL
- 8.6. EXECUTE IMMEDIATE

Oracle utilities

- 9.1. SQL*loader (sqlldr)
- 9.2. The spool and spool append commands.
- 9.3. Profiling PL/SQL code using DBMS_HPROF supplied package.

Composite data types

- 10.1. Using %ROWTYPE
- 10.2. PLSQL Records
- 10.3. PLSQL Table of Records
- 10.4. INDEX BY Table
- 10.5. INDEX BY Table of Records

Bulk Data Processing with PL/SQL

- 11.1. The PL/SQL Run Time engine and SQL Run Time engine
- 11.2. Context switching between PL/SQL Run Time engine and SQL Run Time engine.
- 11.3. BULK COLLECT operation in PL/SQL
- 11.4. FOR ALL operation in PL/SQL
- 11.5. 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 PL/SQL course at https://dbauniversity.com/course/oracle_plsql_training_course/
2. For any additional information email srini@DBAuniversity.com.