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Course Name

SQL Developer - PL & SQL

Sector Name

Information Technology

Document Type

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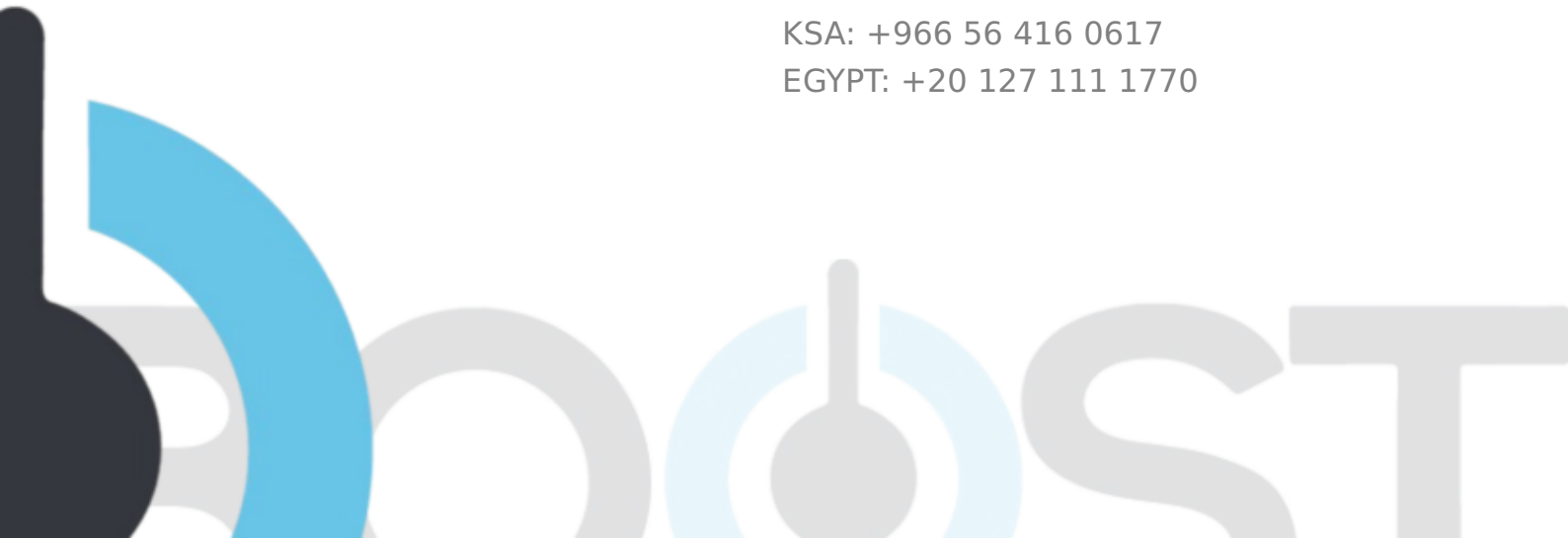
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SQL Developer - PL & SQL

Course Introduction

This training course is designed to provide participants with an introduction to the development of PL/SQL. This will allow participants to explore the benefits of the PL/SQL programming language. The SQL Developer course will focus mainly on topics such as controlling code flow (loops, control structures), using PL/SQL packages to group and contain related constructs, and triggers used to solve business challenges.

This will ensure participants of the knowledge to manage performance and optimize database workloads, lower IT costs, and deliver a higher quality of service by enabling consolidation onto database clouds.

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Target Audience

- ✓ Cloud Computing Engineer
- ✓ Computer Network Specialist
- ✓ Computer Support Specialist
- ✓ Database Administrator
- ✓ Information Technology Analyst
- ✓ Information Technology Leadership
- ✓ Information Security Specialist
- ✓ Software/Application Developer
- ✓ Web Developer
- ✓ Technology sales consultant

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Learning Objectives

- ✓ Gain a comprehensive understanding of the PL/SQL development environments.
- ✓ Identify the benefits of PL/SQL programs and subprograms.
- ✓ Design a PL/SQL package to group related constructs and PL/SQL anonymous blocks that execute efficiently
- ✓ Use Oracle-supplied PL/SQL packages to generate screen output, file output, and mail output.
- ✓ Write dynamic SQL for more coding flexibility.
- ✓ Describe the features and syntax of PL/SQL.
- ✓ Create and debug stored procedures and functions.
- ✓ Use PL/SQL programming constructs and conditionally control code flow (loops, control structures, and explicit cursors).
- ✓ Manage dependencies between PL/SQL subprograms.
- ✓ Handle runtime errors and create triggers to solve business challenges.

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Course Outline

✓ Day 01

Introduction to PL/SQL Development

- ✓ Introduction to PL/SQL
- ✓ Declare PL/SQL Identifiers
- ✓ Write Executable Statements

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Course Outline

✓ Day 02

Interaction with the Oracle Server

- ✓ Control Structures
- ✓ Composite Data Types
- ✓ Explicit Cursors

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Course Outline

✓ Day 03

Interaction with the Oracle Server

- ✓ Control Structures
- ✓ Composite Data Types
- ✓ Explicit Cursors

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Course Outline

✓ Day 04

Deploying Packages

- ✓ Implement Oracle-Supplied Packages in Application Development
- ✓ Dynamic SQL
- ✓ Design Considerations for PL/SQL Code

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Course Outline

✓ Day 05

Triggers

- ✓ Creating Compound, DDL, and Event Database Triggers
- ✓ PL/SQL Compiler
- ✓ Manage Dependencies

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 28, 2027	July 2, 2027	5 days	4250.00 \$	UAE , Dubai
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Dubai
Sept. 28, 2026	Oct. 2, 2026	5 days	4950.00 \$	Netherlands , Amsterdam
Jan. 4, 2027	Jan. 8, 2027	5 days	4250.00 \$	UAE , Dubai

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