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## Oracle Database 19c PL/SQL Workshop

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This course introduces students to PL/SQL, Procedural Language for SQL. Explore the differences between SQL and PL/SQL. Examine the characteristics of PL/SQL and how it is used to extend and automate SQL.

### Objectives

- Get an overview of PL/SQL
- Learn how to declare variables
- Write executable statements
- Learn how to use SQL statements in PL/SQL Programming

### Topics

- Introduction
- Introduction to PL/SQL
- Declaring PL/SQL Variables
- Writing Executable Statements
- Using SQL Statements Within a PL/SQL Block
- Writing Control Structures
- Working with Composite Data Types
- Using Explicit Cursors
- Handling Exceptions
- Introducing Stored Procedures and Functions
- Creating Procedures
- Creating Functions
- Debugging Subprograms
- Creating Packages
- Working with Packages
- Using Oracle-Supplied Packages in Application Development
- Using Dynamic SQL
- Creating Triggers
- Creating Compound, DDL, and Event Database Triggers
- Design Considerations for the PL/SQL Code
- Tuning the PL/SQL Compiler
- Managing Dependencies