## • Introduction to PL/SQL

## • Benefits of PL/SQL

## • Creating PL/SQL Blocks

## Defining Variables and Datatypes

## • Using Variables in PL/SQL

## • Recognizing PL/SQL Lexical Units

## • Recognizing Data Types

## • Using Scalar Data Types

## • Writing PL/SQL Executable Statements

## • Nested Blocks and Variable Scope

## • Good Programming Practices

## Using SQL in PL/SQL

## • Review of SQL DML

## • Retrieving Data in PL/SQL

## • Manipulating Data in PL/SQL

## • Using Transaction Control Statements

## Program Structures to Control Execution Flow

## • Conditional Control: IF Statements

## • Conditional Control: CASE Statements

## • Iterative Control: Basic Loops

## • Iterative Control: WHILE and FOR Loops

## • Iterative Control: Nested Loops

## Using Composite Datatypes

## • User-Defined Records

## • Indexing Tables of Records

## Using Cursors and Parameters

## • Introduction to Explicit Cursors

## • Using Explicit Cursor Attributes

## • Cursor FOR Loops

## • Cursors with Parameters

## • Using Cursors for UPDATE

## • Using Multiple Cursors

## Exception Handling

## • Handling Exceptions

## • Trapping Oracle Server Exceptions

## • Trapping User-Defined Exceptions

## • Recognizing the Scope of Exceptions

## Using and Managing Procedures

## • Creating Procedures

## • Using Parameters in Procedures

## • Passing Parameters

## Using and Managing Functions

## • Creating Functions

## • Using Functions in SQL Statements

## • Review of the Data Dictionary

## • Managing Procedures and Functions

## • Review of Object Privileges

## • Using Invoker's Rights and Autonomous Transactions

## Using and Managing Packages

## • Creating Packages

## • Managing Package Concepts

## • Advanced Package Concepts

## Getting the Best out of Packages

## • Persistent State of Package Variables

## • Using Oracle-Supplied Packages

## Improving PL/SQL Performance

## • Using Dynamic SQL

## • Improving PL/SQL Performance

## Using and Managing Triggers

## • Introduction To Triggers

## • Creating DML Triggers, Part I

## • Creating DML Triggers, Part II

## • Creating DDL and Database Event Triggers

## • Managing Triggers

## Recognizing and Managing Dependencies

## • Introduction to Dependencies

## • Understanding Remote Dependencies

## Using the PL/SQL Compiler

## • Using PL/SQL Initialization Parameters

## • Displaying Compiler Warning Messages

## • Using Conditional Compilation

## • Hiding Your Source Code