

Indus IT Training

Course: Oracle PL/SQL – Training Curriculum – Skill Level Beginner – Advanced

Duration: Six Weekends - Sat & Sun: 9.00am – 1.00pm - Approx. 50hrs

ORACLE PL/SQL

Fundamentals of PL/SQL

- ❖ Lexical Units
- ❖ Data types
- ❖ Data type conversion
- ❖ Explicit conversion
- ❖ Implicit conversion
- ❖ Date
- ❖ Declarations
- ❖ Default value
- ❖ NOT NULL
- ❖ Forward Reference
- ❖ Aggregate Assignment
- ❖ Using Aliases
- ❖ Naming Conventions
- ❖ Scoping
- ❖ Case sensitivity
- ❖ Name Resolution
- ❖ Assignment
- ❖ Database Value
- ❖ Expressions and Comparisons
- ❖ Logical operators
- ❖ Order of Evaluation
- ❖ Built-in Functions in PL/SQL

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Control Structures

- ❖ Conditional Control Statements
- ❖ Guidelines for using IF statements
- ❖ Iterative Statements
- ❖ FOR LOOP
- ❖ Scope of counter variable
- ❖ EXIT statement
- ❖ WHILE LOOP
- ❖ LOOP.... EXIT statement
- ❖ GOTO statements
- ❖ NULL statement

Interaction with Oracle

- SELECT ... INTO statement Cursor
- Declaration Opening a cursor Closing a cursor
- Using Cursor FOR loops
- substituting sub queries in place of cursor Using aliases for fields
- Cursor Attributes
- Examples related with cursor Implicit Cursor Attributes Cursor Variables
- Opening cursor
- Opening a cursor variable in stored procedure Fetching data from cursor
- Closing cursor
- Reducing Network Traffic by Using Cursor variables Exception in case of cursor

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- Exceptions due to Aliasing Use of cursor in package

Transaction control statements

- ✚ Rollback
- ✚ Save Point
- ✚ Implicit save point
- ✚ Ending of transactions
- ✚ Fetching across commit

Error Handling

- ✓ Exceptions
- ✓ Utility of Exceptions
- ✓ Built-in Exceptions
- ✓ User-defined exceptions

Subprograms

- Procedures
- Functions
- Parameters
- Methods of passing actual parameters
- Mode of passing parameters

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