

**QuickXpert Infotech**  
ISO 9001:2015 Certified

**ORACLE**  
**Course**  
**By**  
**Experts**



## About QuickXpert Infotech

QuickXpert Infotech provides professional training on some of the most updated, industry-designed certification & job oriented training programs to both students & corporate from experts in both classroom & online training format. Our wide range of courses blended by our placement assistance process have helped our students from both IT & non IT fields to make career in IT Industry.

**Overall 30+ Courses - 700+ Companies - 1000s Trained !**

**Courses Offered** - SAP modules, JAVA, Dot Net, Software Testing, Web Development, Oracle, Digital Marketing, Python, Data Science & A.I., Salesforce, Tableau, Power BI, Android, Hybrid Apps, R, Hadoop etc. please visit website for details.

**Our Live Projects** - BiodataKing, TeriMeriChoice, theVibrantBirdie etc

## About the Course

Database is need of every Industry and Oracle is among top database servers provided in world. Hence to work with database SQL is required and to implement complex business routines PLSQL is required. Hence by learning this Oracle Developer Course you become eligible for for database developers jobs. Since business like banking, manufacturing etc are huge projects and Oracle is one of the primary database servers used in such industry hence demand for Oracle Developer is very high. Other benefit is after doing this course you can apply for jobs for Database developer jobs as well as concepts in most database servers are same.

## Who Can Learn ?

Fresher or Experienced people from either IT or non IT background who want to make career as database developer or looking ahead to make career as data analytics or business intelligence. Atleast SQL must be known to everyone as now a days it is asked in almost all both technical and non technical interviews.

## Any Pre-requisites ?

None ! We will teach you right from Basics. Hence anyone can learn.

## Duration

Full Course - 2.5 months (Individual Courses available)

# SQL Syllabus

## ❖ Oracle 18 Installation & Configuration

## ❖ Basics of SQL

- Oracle Basics
- Database models
- ER Model Overview
- Data types
- Understanding Test Database
- Basics Queries
- Removing Duplicates
- Arithmetic and String functions
- DML Operations - Insert, Update and Delete

## ❖ Data Filters Using Operators

- DISTINCT
- BETWEEN
- IN
- LIKE
- NOT
- NULL
- AND, OR, NOT etc
- Using Complex Data Filtering Techniques

## ❖ Data Sorting

- Ascending Order
- Descending Order
- Complex Sorting

## ❖ Single Row Functions

- String Functions
  - Lowercase
  - Uppercase
  - In string
  - Sub String
  - length
  - Padding etc.
- Number Functions
  - Number formatting
  - Round
  - Trunc
  - Mode etc.
  - currency formatting
  - convert from string to number and vice versa etc.
- Date Manipulation
  - Date Formatting
  - Date difference
  - last day etc
  - Conversion from String to Date and vice versa etc.
- **Implicit and Explicit Type Conversions**
- Nested Functions
- **Handle Null Values** : NVL, NVL2, NULLIF, COALESCE
- **Conditional Expressions** - Case, Adv. Case and Decode

## ❖ Groups

- Basics
- Grouping functions - AVG, MIN, MAX, COUNT, DISTINCT COUNT etc
- Grouping Filters - HAVING

## ❖ Joins

- Cartesian Product
- Equi and Non-Equi Joins
- Left Outer Join
- Right Outer Join
- Full Outer Join
- Self Join

## ❖ Advanced Joins

- Integrating Joins & Groups
- Writes Join queries linking upto 5 tables
- Integrating Joins, Groups & Sub Query
- Integrating Joins, Groups, Sub Query & Corelated Sub query

## ❖ SET Operators

- Union
- Union All
- Intersect
- Minus

## ❖ Sub Query & Co-related Sub Query

- Single Row Sub Query
- Multi Row Sub Query
- Multi Column Sub Query
- Co-related Sub Query

## ❖ Creating Views & Inline Views

### ❖ Advance Views

### ❖ Inline Views

## ❖ Advanced Inline Views with Joins, Groups & Sub Queries

## ❖ Database Creation - Create, Alter and Drop on

- Tables
- Indexes
- Constraints
- Sequence
- Synonyms

## ❖ DML operations

- Insert
- Update
- Delete
- Truncate
- Common Operations
- Bulk Operations using Queries & Sub Queries

## ❖ Advanced DML Operations

- Insert, Update, Delete using Queries & Sub Queries

## ❖ T SQL (Transaction Management)

- Commit, Rollback, Savepoint
- Read Consistency

## ❖ Constraints

- Primary Key
- Unique
- Foreign Key
- Not Null
- Check

## ❖ Creating Tables Using Queries

## ❖ Rollups & Cubes

- Subtotals
- Grant Totals

## ❖ Bulk Data Inserts

- Creating Tables using Queries
- Data Insert, Update & Delete into Tables using Queries
- MERGE

## ❖ Security & Role Management

- Creating Users & Roles
- Manage User & Role Privilege
- Oracle Internal Tables

## ❖ Best Practise

## ❖ Interview Preparation

## ❖ Project

# PL SQL Syllabus

## ❖ PL SQL Basics

- Anonymous Blocks
- Data types, Variable, Composite Variables etc

## ❖ Nested blocks

- Control Structures
  - If - elsif - else
  - while
  - loop...endloop
  - for loop
  - nested loop
- Basic Programs
- Advanced Programming

## ❖ Using SQL in PLSQL Block

- Select
- CRUD
- Transactions etc

## ❖ Cursors & Adv. Cursors

- Implicit Cursors
- Explicit Cursors
- Cursor For Loops
- Cursor with parameters
- Reference Cursors

## ❖ Exception Handling

- Exception Types



- Handling Exceptions
- Oracle defined Exceptions
- User defined Exceptions
- Error Number and Error Message

## ❖ Handling Transactions

### ❖ Procedures

- Creating Procedures
- Formal Vs Actual Parameters
- Nested Procedures
- Overloading Procedures
- Exception handling and propagation

### ❖ Dynamic Procedures

- How to Create
- Real Life Usage

### ❖ Nested Procedures

### ❖ Functions

- Creating Functions
- Nested Functions
- Overloading Functions
- Nesting Functions and Procedures
- Functions in Select and DML Queries
- Oracle Internal Tables for managing Procedures and Functions

### ❖ Nested Functions

### ❖ Integrating Procedures & Functions

## ❖ Packages

- Package Specification
- Package Body
- Global constants
- Writing Stored Procedures and Functions in Packages
- Procedure Overloading
- Function Overloading
- Nesting of Functions & Procedures
- Exception Handling

## ❖ Using Oracle Supplied Packages

- Execute Immediate
- Oracle Jobs overview
- Exporting data in files

## ❖ Triggers & Adv. Triggers

- Statement Level Triggers
- Row Level Triggers
- Database Triggers
- DML Triggers
- INSTEAD OF Triggers
- SECURITY Triggers
- Trigger Management

## ❖ Advanced Topics

- Collections
- Type Object
- Pipes & Pipelined Functions
- Bulk Collect Overview
- Global Temporary Table

## ❖ Interview Preparation

## ❖ Project

## Our Benefits

- ❖ **Training from Experts**
- ❖ **Professional Notes & Study Material Provided**
- ❖ **Certification Course**
  - All Participants will get Course Completion ISO Training Certificate from our Institute
- ❖ **Internships with Internship Certificate**
- ❖ **Job Oriented Course**
  - Learn from Scratch
- ❖ **80% Practicals**
- ❖ **Live Projects / Case Studies**
- ❖ **Dedicated Placement Team**
- ❖ **100% Job Opportunity**
  - Check Recent Placed Students on Site / our FB or Google Page
- ❖ **Installments Available**
- ❖ **Personal Mentorship**
  - Limited Seats per batch.
- ❖ **Interview Prepare Sessions & Mock Interviews**
- ❖ **Resume Building etc.**

Please visit site for more info

## Our 5 Steps Process for Success



Recent Placements - [click here](#)

## Contact Us

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**Inquire Now !**

