



**Website:** <http://www.webdesigningtrainingruchi.com/>

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**Course name:** Oracle Training with Live Project

**CAN YOU CALL/WHATSAPP ME AT 91-9347045052 TO MY MOBILE TO PLANNING AND EXECUTION OF THIS TRAINING. Can you attend demo class today or tomorrow, call me once.**

**Project Covered During Training:**

- 1) Oracle, Live project, This will taught by trainer.
- 2) Assignment project in Oracle: This is done by student while giving training.

**Watch Oracle Demo Video Here:**

<https://youtu.be/YefAdA9FQDM>

**Why Training with Us?**

I am giving Oracle training with Live projects. This project is live project in Oracle. This project will help definitely in your job.

**Certification:** Yes I will provide you Certificate after successfully attending the class this will help you in job assistance. I am also helping you in help placement.

**Placement and Job:** I will give placement assistance. Because I am giving you real time training with live project so definitely it will help you in job. I have tie up with good company who hire my students.

**My address for Class room training:** Ruchiwebsolutions,#201,Datta Sai complex ,Beside IKON hospital, Landmark: Near to Vijaya Diagnostic Centre, Dilsukhnagar, Hyderabad, call if any problem to 09347045052.

## **Trainer Profile :**

I am **Ranjan** master degree in computer from Utah State University, USA. I am part of webdesignigtrainingruchi in Hyderabad, India. I have total 9 years of experience in **Oracle Training**. I have developed 150 dynamic website till now on different projects.

I have a training Institute in Hyderabad with the name "**Complete Ruchiwebsolutions Institute**" in Dilsukhnagar, Hyderabad, AP, India. I have already given training of 1000 Students till now, and all working in MNC and Software web Development Company.

**Our Teaching style:** I give real time training with LIVE PROJECT IN **Oracle Training**.

## **Course subjects:**

<b>Subject</b>	<b>Total class</b>	<b>Level</b>
<b>Introduction to DBMS</b>	3 hours	Depth level
<b>Introduction to RDBMS</b>	4 hour	Depth level
<b>Sub Language Commands</b>	2 hour	Depth level
<b>Introduction to SQL Database Object</b>	3 hour	Depth level
<b>Built in Functions</b>	3 hour	Depth level
<b>Grouping the Result of a Query</b>	3 hour	Depth level
<b>Working with Integrity Constraints</b>		
<b>REF constraint</b>	3 hour	Depth level
<b>Querying Multiple Tables (Joins)</b>	1 hour	Depth level
<b>Working with Sub Queries</b>	2 hour	Depth level
<b>Working with DCL, TCL Commands</b>	2 hour	Depth level
<b>Maintaining Database Objects</b>	2 hour	Depth level
<b>Pseudo Columns in Oracle</b>	1 hour	Depth level

<b>Data Partitions &amp; Parallel Process</b>	1 hour	Depth level
<b>PL-SQL (Procedure Language – SQL)</b>	3 hour	Depth level
soft copy notes will be given to each student.		
<b>Important notes:</b> I will teach you in such a way that you can apply for One year experience job also.		

## 1. Introduction to DBMS:

- Approach to Data Management
- Introduction to prerequisites
- File and File system
- Disadvantages of file
- Review of Database Management Terminology
- Database Models
- Hierarchal Model
- Network Model
- Relational Model

## 2. Introduction to RDBMS:

- Feature of RDBMS
- Advantages of RDBMS over FMS ad DBMS
- The 12 rules (E.F Codd's Rules –RDBMS)
- Need for Database Design
- Support of Normalization Process for Data Management
- Client server Technology
- Oracle Corporation Products
- Oracle Versions
- About SQL&SQL\*PLUS

## 3. Sub Language Commands.

- Data Definition Language (DDL)
- Data Retrieval Language (DRL)
- Data Manipulation Language (DML)
- Transaction Control Language (TCL)
- Database Security and Privileges (DCL)

## 4. Introduction to SQL Database Object

- Oracle Pre Defined Data types
- DDL Commands.
- Create, Alter (add, modify, rename, drop) Columns, Rename, truncate, drop
- DML-Insert, update, delete
- DQL-SELECT Statements using WHERE clause
- Comparison and Conditional Operators
- Arithmetic and Logical Operators
- Set Operators (UNION, UNION ALL, INTERSECT, MINUS)
- Special Operators – IN (NOT IN), BETWEEN (NOT BETWEEN), LIKE (NOT LIKE), IS NULL (IS NOT NULL).
- Working with DML, DDL Commands
- Operators Support

## 5. Built in Functions:

- Arithmetic Functions, Character Functions, Date Functions, Conversion Functions
- Aggregate Functions, OLAP Functions & General Functions

## 6. Grouping the Result of a Query:

- Using Group by and Having Clause of DDL Statement
- Using Order by clause

## 7. Working with Integrity Constraints

- Importance of Data Integrity
- Support of Integrity Constraints for Relating Table in RDBMS
- NOT NULL constraint
- UNIQUE constraint.
- PRIMARY KEY constraint
- FOREIGN KEY constraint
- CHECK constraint
- Working with different types of integrity Constraints

## 8. REF constraint:

- Understanding ON DELETE clause in referential integrity constraint
- Working with composite constraint
- Applying DEFAULT option to columns
- Working with multiple constraints upon a column
- Adding constraints to a table.
- Dropping of constraints.

- Enabling / Disable constraints
- Querying for constraints information

## 9. Querying Multiple Tables (Joins)

- Equi Join/Inner Join/Simple Join
- Cartesian Join
- Non-Equi Join
- Outer Joins
- Self Join

## 10. Working with Sub Queries

- Understanding the practical approach to Sub Queries/Nested Select/Sub Select/Inner Select/Outer Select
- What is the purpose of a Sub Query ?
- Sub Query Principle and Usage
- Type of Sub Queries
- Single Row
- Multiple Row
- Multiple Column
- Applying Group Functions in Sub Queries
- The impact of Having Clause in Sub Queries
- IN, ANY/SOME, ALL Operators in Sub Queries
- PAIR WISE and NON PAIR WISE Comparison in Sub Queries
- Be ... Aware of NULL's
- Correlated Sub Queries
- Handling Data Retrieval with EXISTS and NOT EXISTS Operators

## 11. Working with DCL, TCL Commands

- Grant, Revoke
- Commit, Rollback, Savepoint
- SQL Editor Commands
- SQL Environment settings

## 12. Maintaining Database Objects

### VIEWS in Oracle

- Understanding the Standards of VIEWS in Oracle
- Types of VIEWS
- Relational Views

- Object Views
- Prerequisites to work with views
- Practical approach of SIMPLE VIEWS and COMPLEX VIEWS
- Column definitions in VIEWS
- Using VIEWS for DML Operations
- In-Line View
- Forced Views
- Putting CHECK Constraint upon VIEWS
- Creation of READ ONLY VIEWS
- Understanding the IN LINE VIEWS
- About Materialized Views
- View Triggers

### **Working with Sequences**

### **Working with Synonyms**

### **Working with Index and Clusters**

**Creating Cluster Tables, Implementing Locks, working with roles**

## **13. Pseudo Columns in Oracle**

- Understanding Pseudo Columns in Oracle
- Types of Pseudo Columns in Oracle
- CURRVAL and NEXTVAL
- LEVEL
- ROWID
- ROWNUM

## **14. Data Partitions & Parallel Process**

- Types of Partitions.
- Range Partitions
- Hash Partitions.
- List Partition.
- Composite Partition
- Parallel Query Process

## **15. Locks**

- Row level Locks
- Table Level Locks
- Shared Lock
- Exclusive Lock
- Dead Lock

## 16. SQL \* Loader:

- SQL \* Loader Architecture
- Data file (Input Datafiles)
- Control file
- Bad file
- Discard file
- Log file
- .txt to base table
- .csv to base table
- From more than one file to single table

## 17. PL-SQL (Procedure Language – SQL):

- Introduction to Programming Languages
- Introduction to PL/SQL
- The Advantages of PL/SQL
- PL/SQL Architecture
- PL/SQL Data types
- Variable and Constants
- Using Built\_in Functions
- Conditional and Unconditional Statements
- Simple if, if... else, nested if..else, if..else Ladder
- Selection Case, Simple Case, GOTO Label and EXIT
- Iterations in PL/SQL
- Simple LOOP, WHILE LOOP, FOR LOOP and NESTED LOOPS
- SQL within PL/SQL
- Composite Data types (Complete)
- Cursor Management in PL/SQL
- Implicit Cursors
- Explicit Cursors
- Cursor Attributes
- Cursor with Parameters
- Cursors with LOOPS Nested Cursors
- Cursors with Sub Queries
- Ref. Cursors
- Record and PL/SQL Table Types

## 18. Advanced PL/SQL:

- Procedures in PL/SQL
- STORED PROCEDURES
- PROCEDURE with Parameters (IN,OUT and IN OUT)

- POSITIONAL Notation and NAMED Notation
- Procedure with Cursors
- Dropping a Procedure
- Functions in PL/SQL
- Difference between Procedures and Functions
- User Defined Functions
- Nested Functions
- Using stored function in SQL statements
- Packages in PL/SQL
- Creating PACKAGE Specification and PACKAGE Body
- Private and Public Objects in PACKAGE

## 19. Database Triggers in PL/SQL:

- Types of Triggers
- Row Level Triggers
- Statement Level Triggers
- DDL Triggers
- Trigger Auditing

## 20. File Input/Output :

- PL/SQL file I/O (Input/Output)
- Using UTL\_FILE Package

## 21. Oracle Database Architecture :

- Introduction to Oracle Database Architecture
- Physical structures Logical structures
- DB Memory Structures Background Process
- 2 Tire, 3 Tire, N-Tier Architecture

## 22. Advanced Features :

- 9i Joines
- New Date function
- Rename column
- Inner Join/Natural Join
- Left Outer Join/Right Outer Join



- Full Outer Join
- Multiple Inserts
- Insert All Command
- Merge statement
- NVL2(), NULLIF(), COALESCE()
- CASE expression of Select Command
- Temporary Tables/Global Tables
- New Function EXTRACT()
- Autonomous Transaction
- Pragma \_ Autonomous \_ Transaction()
- Bulk Collect
- About Flash Back Queries
- Dynamic SQL
- New data types, Flash back Command
- Purge Command, Recyclebin
- Regular expressions, DML Error Logging
- Data Pump, Virtual Columns
- Read only tables, Cross tab Views using
- Pivot/Unpivot operators, Follows Clause
- Compound triggers, New data types

## 22. DBA CONCEPTS :

- Database
- Tablespace
- Types of Tablespaces
- Data files /Se

<b>SPECIFICATION: FEE AND TERMS DETAILS</b>	
<b>Technology:</b>	<b>Oracle Training.</b>
<b>Operating System:</b>	Windows 2003, XP
<b>Time Frame(duration):</b>	<b>45 days</b>
<b>Class Oracle Training Fee</b>	<b>Per student 12,000 Rs INR</b>
<b>Online Oracle Training Fee</b>	<b>Per student 12,000 Rs INR</b>

<b>Terms and Conditions of Payment.</b>		
<b>1</b>	<b>Advance payment ,after demo class</b>	<b>50% of total money</b>
<b>2</b>	<b>After attending the 8 classes</b>	<b>Remaining 50%</b>
<b>Extra topics will be chargeable. Payment by Cash</b>		
<b>You can pay money in 2 installment also but 2<sup>nd</sup> installment on 8<sup>th</sup> class.</b>		

**Required Software for Training:** Note: I will provide all the software.

- 1) XAMPP Software,
- 2) Dreamweaver
- 3) I will take class though live meeting. Every session will be created on video

**Payment though paypal** : Send payment on my paypal id  
paypal id: payment.ruchiwebsolutions@gmail.com

**Purnendu. Ranjan Raja,**

Director Complete LAMP Institute – Business Development

For any questions you may have you may contact myself at Email

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For any doubt and clearance, call me in India: +91-9347045052 / 09032803895

Once fee is paid, not return back.

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