SQL SCHOOL
Premium Quality Training

Tableau

100% Hands-On, Job Oriented

🔥 Detailed Course Content 🔥

This detailed content with 100% Hands-On, Daily Assignments make you 100% Job ready !

Module 1: Database Fundamentals, Oracle PLSQL Queries

Ch 1: Database, DBMS
- ✓ Database Introduction
- ✓ Database Types, Purpose
- ✓ DBMS & Realtime Use
- ✓ Databases: Advantages
- ✓ DBMS Technologies
- ✓ Oracle DBMS: Intro

Ch 2: Oracle Installation - 1
- ✓ Oracle Introduction, Features
- ✓ Oracle Advantages, Usage
- ✓ Oracle Versions and Editions
- ✓ Oracle Installation Guidance
- ✓ Pre-Requisites and Precautions
- ✓ Oracle SQL Command prompt
- ✓ Connect SQL Developer Tool
- ✓ New Users, Permissions, Grants

Ch 3: Oracle Installation - 2
- ✓ Installation Verifications
- ✓ Installation Precautions
- ✓ Locking, Unlocking Users
- ✓ Password Resets
- ✓ Authentication Options
- ✓ SQL* Plus Technology

- ✓ **Oracle System user in Oracle**
- ✓ **Default Sysdba user**

Ch 4: Introduction to DBMS
- ✓ **Features of RDBMS**
- ✓ **Advantages of RDBMS**
- ✓ **E.F Codd Rules for RDBMS**
- ✓ **Normalization Concepts**
- ✓ **Client Server Architecture**
- ✓ **Oracle Versions**
- ✓ **SQL & SQL*PLUS**

Ch 5: OLTP & OLAP
- ✓ **Database Types: OLTP & OLAP**
- ✓ **Real-world Advantages**
- ✓ **Relational Database Model**
- ✓ **Database Entities and Attributes**
- ✓ **RDBMS Databases: Usage**
- ✓ **Oracle DB OLTP Features**
- ✓ **Oracle an OLAP Features**

Ch 6: SQL COMMANDS - I
- ✓ **Structured Query Language**
- ✓ **SQL Operations in Realtime**
- ✓ **Possible Operations with SQL**
- ✓ **Data Definition Language**
- ✓ **Data Retrieval Language**
- ✓ **Data Manipulation Language**
- ✓ **Transaction Control Language**

Ch 7: SQL Commands - II
- ✓ **Security & Privileges (DCL)**
- ✓ **Queries and Statements**
- ✓ **Real-world uses of SQL**
- ✓ **Creating Users and Tables**
- ✓ **Table Inserts, Validations**
- ✓ **Data Types, DESCRIBE**
- ✓ **DDL Commands**
- ✓ **CREATE, ALTER, TRUNCATE**
- ✓ **DROP, RENAME**

Ch 8: Special Operations in SQL
- ✓ **SQL Operators**

- ✓ **SET, AND, OR, NOT, IN**
- ✓ **Special Operators – IN (NOT IN)**
- ✓ **BETWEEN (NOT BETWEEN),**
- ✓ **Arithmetic & Logical Operators**
- ✓ **Operator Precedence**
- ✓ **UNION, UNION All & LIKE**
- ✓ **INTERSECT, MINUS, etc..**
- ✓ **IS NULL (IS NOT NULL)**

Ch 9: Transaction Types
- ✓ **DCL and TCL Commands**
- ✓ **Transactions in Databases**
- ✓ **Transaction Types and Uses**
- ✓ **Commit and Rollback**
- ✓ **Transactions with SavePoints**
- ✓ **Read Consistency with SQL**
- ✓ **Transaction types in Oracle?**
- ✓ **Realtime use of Transactions**
- ✓ **Auto Commit, Explicit, etc..**

Ch 10: Grouping Query Results
- ✓ **Distinct Values in Tables**
- ✓ **Group, Aggregate function**
- ✓ **Group By Statement Syntax**
- ✓ **Group By Operations in SQL**
- ✓ **Having with Group By**
- ✓ **Order By Clause, Group By**
- ✓ **Grouping() Function Usage**

Ch 11: Single Row Function
- ✓ **Order By Clause and Group By**
- ✓ **SQL Group By Statement**
- ✓ **Arithmetic, Character Functions**
- ✓ **Date & Time, String Function**
- ✓ **Conversion, Analytical Functions**
- ✓ **Rank,Dense_Rank,Row_Number**
- ✓ **NVL(),NVL2(), NullIF(),Coalesce()**

Ch 12: Constraints & Keys - I
- ✓ **Importance of Data Integrity**
- ✓ **Data Integrity constraints**
- ✓ **Types of Integrity Constraints**
- ✓ **Domain Integrity Constraints**
- ✓ **Entity Integrity Constraints**

- ✓ **Referential Integrity**
- ✓ **Check & UNIQUE**

Ch 13: Constraints & Keys - II
- ✓ **PRIMARY KEY Constraint**
- ✓ **FOREIGN KEY Constraints**
- ✓ **Column Level & Table Level**
- ✓ **Adding Constraints**
- ✓ **Self-Referential Integrity**
- ✓ **Cascading Keys in Realtime**
- ✓ **Use Case Scenarios**

Ch 14: Queries & Joins - I
- ✓ **Joins and Table Comparisons**
- ✓ **SET Operations with Joins**
- ✓ **How do Joins work in SQL?**
- ✓ **Equi Join, Simple Join**
- ✓ **Inner Join and Query Conditions**
- ✓ **Cross Join (Cartesian Join)**
- ✓ **Join syntax and Ansi Syntax**
- ✓ **Non-Equi Join and Self Join**

Ch 15: Queries & Joins - II
- ✓ **Outer Joins – Types**
- ✓ **Cross Joins – Advantages**
- ✓ **Merge Joins, Sub Queries**
- ✓ **Join Aliases and Conditions**
- ✓ **Inner Self Joins with HAVING**
- ✓ **JOINS and GROUP BY Queries**
- ✓ **Inner Join and Self Join**
- ✓ **Realtime Use Cases**

Ch 16: Views
- ✓ **Understanding Views & Use**
- ✓ **Relational, Standard Views**
- ✓ **SIMPLE, COMPLEX VIEWS**
- ✓ **Column Definitions**
- ✓ **VIEWS for DML Operations**
- ✓ **Forced, CHECK Constraints**
- ✓ **READ ONLY VIEWS – Use**
- ✓ **Indexed Views**

Ch 17: Synonyms, Sequences

- ✓ **Sequences, with Synonyms**
- ✓ **Use of Synonym in Oracle?**
- ✓ **Views Versus Synonyms**
- ✓ **Table Synonyms Usage**
- ✓ **Public and Private Synonyms**
- ✓ **Synonym Identification Options**
- ✓ **Realtime Use of Synonyms**
- ✓ **Synonyms: Limitations**

Ch 18 : Sub Queries
- ✓ **Sub Queries in Real-world**
- ✓ **Conditions with Sub Queries**
- ✓ **Sub Queries, Nested Queries**
- ✓ **Nested Sub Query Execution**
- ✓ **Inner and Outer Queries**
- ✓ **Sub Queries and HAVING**
- ✓ **Performance Impact**
- ✓ **Retrieval of Nth Row**

Ch 19: Realtime Case Study (Ecommerce / Medicare)

Module 2: Tableau

CHAPTER 1: TABLEAU INTRO, INSTALLATION
- ✓ **Introduction to Tableau**
- ✓ **Report Types in Real-time**
- ✓ **Data Sources for Report Design**
- ✓ **Tableau as a Self Service BI**
- ✓ **Tableau Features**
- ✓ **Power BI Licensing Plans**

CHAPTER 2: TABLEAU ARCHITECTURE
- ✓ **Data Sources, Connectors**
- ✓ **Tableau Clients**
- ✓ **Tableau Server Components**
- ✓ **VizQL Server & Data Engine**
- ✓ **Backgrounder, Data Server**
- ✓ **Fast Data Engine**
- ✓ **Gateway Components**

CHAPTER 3: TABLEAU INTRO, INSTALLATION
- ✓ **Tableau Public Desktop**
- ✓ **Report Development**
- ✓ **Data Sources Types**

- ✓ **Tableau Prep Tools**
- ✓ **Data Modelling**
- ✓ **Drilldown Reports**

CHAPTER 4: TABLEAU REPORTS & JOINS
- ✓ **Data Search**
- ✓ **Alias, Bins, Workbooks**
- ✓ **Bookmarks, Calculations**
- ✓ **Tableau File Type**
- ✓ **Pages, Rows, Columns**
- ✓ **Joins in Tableau Sources**
- ✓ **Inner, Left / Right Outer Joins**

CHAPTER 5: TABLAU REPORT DESIGN
- ✓ **Cross Tabs, Dashboards,**
- ✓ **Visual Sync**
- ✓ **Sets, Marks, Workbooks**
- ✓ **Data Pane, Dimensions**
- ✓ **Extract, Filters**

CHAPTER 6: BIG DATA ACCESS, BLENDING
- ✓ **SQL Data Access**
- ✓ **Remote Data Sources**
- ✓ **Remote Joins**
- ✓ **SQL Queries in Tableau**
- ✓ **Data Blending**
- ✓ **Multiple Data Sources**
- ✓ **Combine, Aggregations**
- ✓ **Data Grouping**
- ✓ **Tableau Operators**

CHAPTER 7: TABLEAU CALCULATIONS
- ✓ **Tableau Calculations**
- ✓ **Numerical Calculations**
- ✓ **Aggregated Calculations**
- ✓ **Calculations From Shelves**
- ✓ **Calculation Edits, Identifications**

CHAPTER 8: STRING, DATE FUNCTIONS
- ✓ **Tableau Functions**
- ✓ **String Functions**
- ✓ **Date Functions**
- ✓ **Time Functions**
- ✓ **Aggregation Functions**
- ✓ **Other Functions**

CHAPTER 9: TABLE CALCULATIONS

- ✓ Calculations For Year, Quarter, Month
- ✓ Custom Calculations
- ✓ Data Appending
- ✓ Custom Date and Time Formats
- ✓ Calculations Reuse and Edits
- ✓ Date and Time Conversions
- ✓ Running Total
- ✓ Row Number, Case Statements

CHAPTER 10: LOD CALCULATIONS
- ✓ Table Calculations
- ✓ Level of Details
- ✓ Table Calculations
- ✓ Partitioning, FIXED LOD
- ✓ INCLUDE LOD Expressions
- ✓ EXCLUDE LOD Expressions

CHAPTER 11: TABLEAU VISUALIZATIONS - 1
- ✓ Tableau Visualizations
- ✓ Tableau Bar Charts
- ✓ Horizontal & Colored Charts
- ✓ Interactive Charts & Filters
- ✓ Continuous Charts
- ✓ Dual Line Chart, Area Charts
- ✓ CrossTab Charts, Pie Charts

CHAPTER 12: TABLEAU VISUALIZATIONS - 2
- ✓ Divergence, Color Palettes
- ✓ Box & Wishker Plots
- ✓ Text Tables;
- ✓ Heat Maps, Treemaps
- ✓ Motion Charts
- ✓ Bullet Graphs

CHAPTER 13: TABLEAU FILTERS
- ✓ Tableau Filters
- ✓ Extract Filters, TDE (hyper)
- ✓ twb Files, History, TDE
- ✓ Context Filters
- ✓ Dimension Filters
- ✓ Measure Filters
- ✓ Filters Scope and Quick Filters

CHAPTER 14: PARAMETERS, SETS
- ✓ Tableau Parameters

- ✓ Parameters, Conditions
- ✓ Calculations, Dynamic Filters
- ✓ Dynamic Dimensions
- ✓ Dynamic Measures With Sets
- ✓ IN and OUT Concepts

CHAPTER 15: TABLEAU FORECASTS, ACTIONS
- ✓ Tableau Trend Lines
- ✓ Reference Lines
- ✓ Forecasts, Exponential Smoothing
- ✓ Forecasts, Bookmarks
- ✓ Tableau Action Types
- ✓ Static/Dynamic Actions
- ✓ URL and Parameter Action Types
- ✓ Tableau Actions & Dashboards

CHAPTER 16: DASHBOARDS & STORIES
- ✓ Dashboards and Stories
- ✓ Building Dashboards
- ✓ Legends and Quick Filters
- ✓ Floating Layouts
- ✓ Layout Containers
- ✓ Dashboard Extensions, API
- ✓ Device Designer
- ✓ Customizing Layouts
- ✓ Bollinger Bands

CHAPTER 17: Tableau Prep
- ✓ Installation ETL
- ✓ Tableau Desktop Store
- ✓ Server Store

CHAPTER 18: TABLEAU SERVER
- ✓ Tableau Server - Architecture
- ✓ Installation Process
- ✓ Workbook, Sharing and Layouts
- ✓ Custom Layouts
- ✓ Tableau Online Vs Table Server
- ✓ Device Layouts in Tableau Online

CHAPTER 19: COLLOBORATE TABLEAU ONLINE
- ✓ Tableau Online, LIVE Reports
- ✓ Projects and Workbooks

- ✓ Report Views in Tableau Online
- ✓ Searching Content
- ✓ Account Settings, Drill Down
- ✓ Sharing, Subscription
- ✓ Web Authoring
- ✓ Phone Marks and Maps

CHAPTER 20: MANAGE TABLEAU SERVER
- ✓ Tableau Server - Administration Concepts
- ✓ Tableau Sites, Users, Groups Security
- ✓ Group Rules, Web Edits
- ✓ Project Permission and Locking
- ✓ Data Security with user Filters
- ✓ Filters and Hybrid Models in Server
- ✓ Access Roles, Schedules, Extraction
- ✓ TSM : Tableau Services Manager
- ✓ GUI and CLI; Backups and Restores
- ✓ Tabcmd : Imports; Tabcmd

Module 3: REAL-TIME PROJECT
👉 **ECommerce / Banking / Finance**
👉 **Mock Interviews**
👉 **Resume**

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