



H.A IT SOFT TECHNOLOGIES & COMPUTER COLLEGE

ORACLE DBA COURSE



DATABASE FUNDAMENTALS

- Introduction to Database Concepts
- Types of Databases (Relational vs Non-Relational)
- Introduction to **Oracle Database**
- SQL Basics (SELECT, INSERT, UPDATE, DELETE)
- Database Structure (Tables, Rows, Columns)
- Introduction to Data Modelling



SQL & DATABASE MANAGEMENT

- Advanced SQL Queries
- Joins, Subqueries & Functions
- Indexing & Performance Basics
- User Management in Database
- Constraints & Data Integrity
- Backup & Restore Concepts



ORACLE DATABASE ADMINISTRATION BASICS

- Introduction to **Oracle Database Architecture
- Installing Oracle Database
- Database Configuration
- Memory Management Basics
- Tablespaces & Datafiles
- Control Files & Redo Logs



ADVANCED DBA CONCEPTS

- User Security & Roles
- Backup & Recovery Techniques
- RMAN (Recovery Manager) Basics
- Performance Tuning Introduction
- Monitoring Database Performance
- Alert Logs & Troubleshooting



HIGH AVAILABILITY & NETWORKING

- Introduction to Oracle Networking (TNS, Listener)
- Database Connectivity
- Data Guard Basics
- Clustering Concepts Overview
- Automation & Scheduling Jobs
- Real-time Monitoring Tools



PROFESSIONAL DBA & PROJECTS

- Advanced Backup & Recovery Scenarios
- Performance Optimization Techniques
- Database Maintenance Tasks
- Real-world DBA Case Studies
- Project: Complete Oracle Database Setup & Management
- Freelancing & Job Preparation (DBA Roles)



FINAL PROJECTS

- Complete Oracle Database Setup
- Backup & Recovery Simulation Project
- Performance Tuning Report



SKILLS YOU WILL LEARN

- Database Administration
- SQL & Advanced Querying
- Backup & Recovery Management
- Performance Tuning
- Oracle Database Architecture
- Professional DBA Job Skills