

Kore Infotech Learning Centre

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Oracle DBA

This course is primarily intended for students who wants to pursue their career as an Oracle DBA. It's designed to give students a firm foundation in basic administration of Oracle 10g Database. In this class, students will learn how to install oracle,create and maintain an operational database.The lesson topics are reinforced with structured hands-on practices.

Pre-requisites

- Basic working knowledge of Unix
- Basic working knowledge of SQL

Course Objectives

- Oracle Database Administrator tasks
- Oracle Database Architecture overview.
- Oracle installation
- Database design and creation
- Schema Management.
- Configure Oracle Net services
- User Management and Database Security
- Backing up databases
- Database Recovery
- Performance Tuning tips

Course Topics

Oracle Database Administrator tasks

- Oracle DBA's role
- Types of Databases
- Daily routine of Oracle DBA

Oracle Database Architecture Overview

- Oracle Database structures
- Oracle Processes
- Oracle Memory Structures
- Logical and Physical Database Structures
- Tablespaces and Data Files
- Segments, Extents and Blocks

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Oracle Installation

System Requirements

Optimal Flexible Architecture.

Pre-Installation Tasks

Final Checklist for the installation

After the installation

Uninstalling Oracle

Database design and Creation

Planning the Database

Creating Parameter file

Creating a New Database

Starting and shutting down the database

Password Management

Schema Management

Oracle Schemas

Creating and Managing Tablespaces

Viewing Object Information

Configuring Oracle Net Services

Oracle Networking and Database Connectivity

Listener and Connectivity

Naming and connectivity

User Management and Database Security

Creating and Managing Users

Authenticating Users

Auditing Database usage

Database Security Do's and Don'ts

Backing up Databases

Backing up Databases

User Managed Backups

Recovery Manager(RMAN)

Database Recovery

Types of Database Failures

Performing Recovery with RMAN

Media Recovery Scenarios

Cloning a Database

Performance Tuning Tips