ORACLE DATABASE 11G: ADMINISTRATION WORKSHOP I (D17090GC30)
DURATION: 5 DAYS

COURSE OVERVIEW

1. This course is designed to give students a firm foundation in basic administration of Oracle Database 11g. In this class, students learn how to install and maintain Oracle Database 11g. Students gain a conceptual understanding of the Oracle database architecture and how its components work and interact with one another. Students learn how to create an operational database and properly manage the various structures in an effective and efficient manner including performance monitoring, database security, user management, and backup/recovery techniques. The lesson topics are reinforced with structured hands-on practices.

2. Manage users
Manage storage structures
Backup and Recovery
Install and configure an Oracle database

TARGET AUDIENCE

1. Database Administrators
2. Support Engineer
3. Developer
4. Technical Administrator
5. Database Designers

COURSE OBJECTIVES

1. Describe Oracle Database Architecture
2. Install and configure Oracle Database 11g
3. Configure Oracle Net services
4. Manage the database storage structures
5. Create and administer user accounts
6. Perform basic backup and recovery of a database
7. Manage users and schemas
8. Manage data and concurrency
9. Monitor and administer undo data

10. Backup and recover a database

11. Monitor performance

12. Use the database diagnostic monitor

COURSE CONTENT

1. Exploring the Oracle Database Architecture

2. Preparing the Database Environment

3. Creating an Oracle Database

4. Managing the Oracle Instance

5. Configuring the Oracle Network Environment

6. Managing Database Storage Structures

7. Administering User Security

8. Managing Schema Objects

9. Managing Data and Concurrency

10. Managing Undo Data

11. Implementing Oracle Database Security

12. Database Maintenance

13. Performance Management

14. Backup and Recovery Concepts

15. Performing Database Backups

16. Performing Database Recovery

17. Moving Data

18. Enhancing Database Capabilities

COURSE PREREQUISITES

1. Required Prerequisites:
   Working knowledge of SQL

2. Suggested Prerequisites:
   Oracle Database 11g: Introduction to SQL