

# ORACLE 11G DBA ADMIN I

## Database Administrator

### Training Program

Complete OCP Track Training



ORACLE®

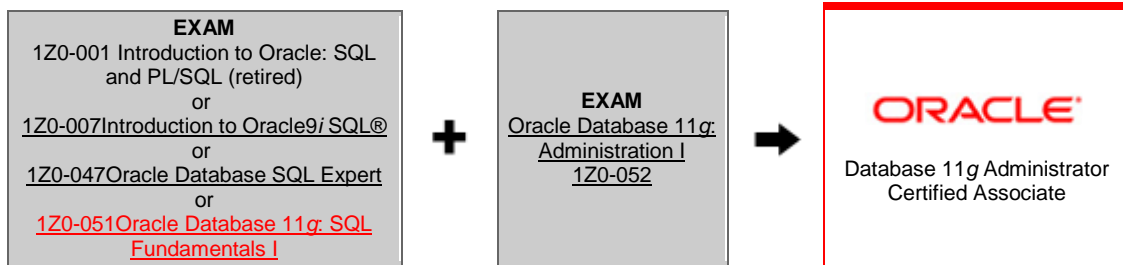


Oracle 11g is designed to handle the ever-increasing data needs of modern organizations. Effective management of Oracle 11g capabilities can help organizations ensure the integrity and security of data. In this hands-on course, you maximize the features of Oracle 11g to build and maintain databases, configure memory and storage for optimal performance, and manage large amounts of data.

#### Oracle Certification Information (OCP - DBA)

Exam Number:	1Z0-052
Associated Certifications:	Oracle Database 11g DBA OCA
Duration:	105 minutes
# of Questions :	79
Passing Score :	68%

#### PATH TO GET OCA



Program is offered by: 3D Educators – Trainers & Consultants

# Table of Contents

**Detail**

**Inauguration**

**Structure**

**Topics & Time Allocation**

**Other Learning Activities**

**About the Program Designer & Instructor**

**Syllabus**

**3D EDUCATORS**

---

---

**TRAINERS & CONSULTANTS**

---

---

## Program Details

### INAUGURATION

The Training Program will be inaugurated by a senior member of 3DEducators

### PROGRAM STRUCTURE

Number of classes in a week	One Class Per Week
Duration of each class	3-Hour

### OTHER LEARNING ACTIVITIES:

Classroom Assignments	6
Presentations by Trainees	1
Hands on Training	15 Hours
Interactive Training With server Technologies	15 Hours

**3D EDUCATORS**  
**TRAINERS & CONSULTANTS**

## PROGRAM TOPICS AND TIME ALLOCATION

---

The participants will cover the following syllabus:

Program Areas Covered
Architecture
Installing the Oracle Database Software
Creating an Oracle Database
Managing the Oracle Instance
Managing Database Storage Structures
Administering User Security
Implementing Oracle Database Security
Proactive Maintenance
Backup and Recovery Concepts
Performing Database Backup
Moving Data

---

## ABOUT THE PROGRAM INSTRUCTOR

---

The “11G DBA Administrator” training program has designed by the 3D-Educators – Trainers and Consultants.

The “11G DBA Administrator” Program has been conducted by Senior certified and qualified 11g Programmers and I.T. professionals, who having the huge experience of teaching and implementation of 11g. They have worked with various large commercial banks, Private, Multinational and public sector companies.

They trainers are foreign qualified and having the degrees of MBA, BCS along with the certification of Oracle E-Business Suit 11i 10, Oracle DBA and Siebel Certified Consultant, More they having the experience of Implementing ERP and database in local and multinational firms.

## Program Syllabus

### Exploring the Oracle Database Architecture

- [ ] Explain the Memory Structures
- [ ] Describe the Process Structures
- [ ] Overview of Storage Structures

### Preparing the Database Environment

- [ ] Identify the tools for Administering an Oracle Database
- [ ] Plan an Oracle Database installation
- [ ] Install the Oracle software by using Oracle Universal Installer (OUI)

### Creating an Oracle Database

- [ ] Create a database by using the Database Configuration Assistant (DBCA)

### Managing the Oracle Instance

- [ ] Setting database initialization parameters
- [ ] Describe the stages of database startup and shutdown
- [ ] Using alert log and trace files
- [ ] Using data dictionary and dynamic performance views

### Configuring the Oracle Network Environment

- [ ] Configure and Manage the Oracle Network
- [ ] Using the Oracle Shared Server architecture

### Managing Database Storage Structures

- [ ] Overview of tablespace and datafiles
- [ ] Create and manage tablespaces
- [ ] Space management in tablespaces

### Managing Data and Concurrency

- [ ] Monitor and resolve locking conflicts

### Managing Undo Data

- [ ] Overview of Undo
- [ ] Transactions and undo data
- [ ] Managing undo

### Implementing Oracle Database Security

- [ ] Database Security and Principle of Least Privilege
- [ ] Work with Standard Database Auditing

### Database Maintenance

- [ ] Use and manage optimizer statistics
- [ ] Use and manage Automatic Workload Repository (AWR)
- [ ] Use advisory framework
- [ ] Manage Alerts and Thresholds

### Performance Management

- [ ] Use Automatic Memory Management
- [ ] Use Memory Advisors
- [ ] Troubleshoot invalid and unusable objects

### Intelligent Infrastructure Enhancements

- [ ] Use the Enterprise Manager Support Workbench
- [ ] Managing Patches

### Backup and Recovery Concepts

- [ ] Identify the types of failure that can occur in an Oracle database
- [ ] Describe ways to tune instance recovery
- [ ] Identify the importance of checkpoints, redo log files, and archived log files
- [ ] Overview of flash recovery area
- [ ] Configure ARCHIVELOG mode

### Performing Database Backups

- [ ] Create consistent database backups
- [ ] Back up your database without shutting it down
- [ ] Create incremental backups
- [ ] Automate database backups
- [ ] Manage backups, view backup reports and monitor the flash recovery area

### Performing Database Recovery

- [ ] Overview of Data Recovery Advisor
- [ ] Use Data Recovery Advisor to Perform recovery (Control file, Redo log file and Data file)

### Moving Data

- [ ] Describe and use methods to move data (Directory objects, SQL\*Loader, External Tables)
- [ ] Explain the general architecture of Oracle Data Pump
- [ ] Use Data Pump Export and Import to move data between Oracle databases

### Administering User Security

- [ ] Create and manage database user accounts
- [ ] Grant and revoke privileges
- [ ] Create and manage roles
- [ ] Create and manage profiles

**3D EDUCATORS**

---

---

**TRAINERS & CONSULTANTS**

---

---

## ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to [info@3deducators.com](mailto:info@3deducators.com) with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it [info@3deducators.com](mailto:info@3deducators.com). Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

## PRECAUTIONARY MEASURES

- ✓ During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- ✓ Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- ✓ If you have taken the admission in the course online, ethically it is recommended and suggested that you only avail this facility.
- ✓ Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions.

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

## **DISTANCE NOT MATTER**

You can join in the live classes Sessions of **3D EDUCATORS – TRAINERS & CONSULTANTS** from anywhere of the world.

### **CONTACT US:**

9221-34141329

9221-34857148

0333-2402474

0322-2083032

[info@3deducators.com](mailto:info@3deducators.com)

<http://www.3deducators.com>

(Get the Admission Form)

[Admission Form](#)

---

---

**MANAGEMENT**  
**3D EDUCATORS – TRAINERS & CONSULTANTS**

---

---





TRAINERS & CONSULTANTS