



IBM DB2 UDB DBA V9.5

Object Arena Software Solutions (P) Ltd, a leading IBM products training center in Chennai pleased to impart DB2 UDB DBA training through our Bright Career in IBM Certification Software program.

Course Description

With our IBM DB2 Universal Database Fundamentals training course you will learn to plan and secure a DB2 UDB database, access data and manipulate & control database objects and execute queries using SQL. The course also covers how to choose appropriate isolation levels and to describe how locks are acquired in a DB2 UDB database. This course also covers the training for the IBM Certified Database Associate & Administration certification exam.

Object Arena - What Sets us apart?

- ✓ Structured course materials
- ✓ IBM Certification directed training
- ✓ Exhaustive, systematic step-by-step lab exercises
- ✓ Interactive Classroom session, OHP slide display
- ✓ Hands-on best practices captured by experienced professionals
- ✓ Real-time projects scenarios
- ✓ Training by highly experienced and IBM certified professionals
- ✓ Updating course in-line with the latest release by IBM , a continuous process
- ✓ Most competitive & affordable course fees
- ✓ List of established & satisfied clients (Visit our website).

Duration : 20 Days / 3 Hours a day

Customizable : Yes

Regular Batches: Morning, Evening & Weekends.

Pre-requisites: Students should have prior knowledge in Database, RDBMS.

Value Added Services

- ✓ Placement assistance provided
- ✓ Web Age will always try and work within your budget
- ✓ Volume Discounts and long-term licensing options
- ✓ Probable IBM certification test Q & A
- ✓ Most popular Interview questions
- ✓ Accommodation for outstation candidates.

Now!

We also cover DB2 Latest Version - DB2 COBRA 9.7

KEY TOPICS

- High Availability
- Break Free From Oracle
- Schema Evolution
- Monitoring and Workload Management
- Security Enhancements

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CURRICULUM

Module: 01

Overview of DB2 9.5 on Windows

- Contrast the DB2 Family of products
- Identify the DB2 Tools
- Functions of DB2 components
- Explore installation and parameters

Command Line Processor (CLP) & GUI Usage

- Use the Command Line Processor
- Explore the GUI environment
- Describe the DAS role with GUI tools

Module: 02

The DB2 Environment

- Key features of an Instance
- Create and drop an Instance
- Use db2start and db2stop
- Distinguish b/w types of Config.
- Describe and modify the Database Manager Configuration

Creating Databases and Data Placement

- Creating a Database.
- Explore system Catalog tables, views
- Compare DMS Vs SMS table Spaces.
- Database with Automatic Storage.
- Differentiate between table spaces, containers, extents, and pages
- Define table spaces
- Get snapshot for table spaces
- Explore Database Config. Parameter.

Module: 03

Creating Database Objects

- List DB2 object hierarchy and physical directories & files
- Creating objects: Schema, Table, View, Alias, and Index
- Explore the use of table partitioning
- Review the use of Temporary Tables
- Implementation of Check Constraints, Referential Integrity and Triggers
- Exploring the use of Large Objects

Module: 04

Moving Data

- Discuss the INSERT statement and Recognize its limitations
- Explain the differences between IMPORT and LOAD
- Explain the EXPORT, IMPORT, and LOAD syntax
- Create and use Exception Tables and Dump-Files
- Distinguish and Resolve Table States: Load Pending and Set Integrity Pending
- Use the SET INTEGRITY command
- Discuss the db2move and db2look commands

Module: 05

Backup And Recovery

- Describe the major principles and methods for backup and recovery
- State the three types of recovery used by DB2
- Explain the importance of logging for backup & recovery
- Describe how data logging takes Place –circular & archival logging
- Use the BACKUP, RESTORE, and ROLLFORWARD commands
- Perform a table space backup and recovery
- Restore a database to the end of logs or to a point-in-time
- Backup and recovery scenarios

Module: 06

Locking And Concurrency

- Explain why locking is needed
- List objects that can be locked
- Describe and discuss the various lock modes and their compatibility
- Explain four different levels of data protection
- Set isolation level and lock time out for current activity
- Explain lock conversion & escalation
- Describe causes of Deadlocks

Module: 07

Problem Determination

- Collect information for problem analysis and resolution
- Use error logs for basic problem analysis
- Describe four types of monitors: Snapshot Monitor, Event Monitor, Activity Monitor and Health Monitor
- Basic commands to better work with connections and Sessions
- Retrieve statistics and information from a running DB2 instance

Module: 08

Application Issues and Performance

- Prepare applications that access DB2 data for execution
- Describe the application alternatives available to access DB2 data
- Define the concept of clustering, and determine the proper cluster sequence
- Use RUNSTATS, REORGCHK, and REORG to enhance application performance
- Work with the EXPLAIN facility

Module: 09

Security

- Use Access Control Mechanisms to implement database security
- Use group IDs to create a control hierarchy
- Describe Label Based Access Control
- Describe privileges within a database
- Describe privileges required for binding and executing a package
- Describe the difference between explicit privileges & implicit privileges
- Describe the different level of authorization