

DES100 - Oracle Designer 6i Information Systems Development

Develop Information systems and implement database structures using Oracle Designer 6i. Hands-on 5 day course

Course Description

This course will help participants develop skills necessary to design through analysis and develop complete application systems. As well, participants will develop skills used to implement design into database structures. Participants will develop complete applications with the Oracle Designer interface using modeling, transformation, design, and generation interface utilities. Participants will also learn how to create an entity relationship diagram, a function hierarchy diagram, and process model. Participants will learn how to record business requirements into the Oracle repository, transform analysis model information into design level definitions, refine data and application designs, and ultimately generate database objects and Oracle Developer applications. Exercises and lab sessions reinforce the learning objectives and provide participants the opportunity to gain practical hands-on experience.

You Learn to...

- Model Business Requirements
- Model Data Requirements
- Identify Functions to Automate
- Cross Check Business Functions with Data and Processes
- Transform Data Model Components into Table Designs
- Transform Functions and Processes into Oracle Applications
- Generate Table Designs
- Use the Design Editor to Display and Implement Design Components
- Design and Build Database Components
- Set Data and Application Presentation Standards
- Prepare Modules for Generation and Implement Generation

Who Needs to Attend

- Application Developers
- Business Analysts
- Data Administrators
- Data Analysts
- Database Administrators

Prerequisites:

You must have knowledge of SQL or attend the Oracle8i SQL and PL/SQL.

You must have knowledge of Database Modeling requirements and techniques.

You should have exposure or experience developing GUI applications.



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Follow-On Courses

Oracle Developer: Forms I, Forms II, Oracle Developer: Reports, Oracle Developer: Deploy Web-based Applications, Oracle Repository: Repository Manager and Software Configuration

Course Content:

1. Analysis and Design Modeling Concepts

- Understand the development life cycle
- Understand the flow from design to implementation

2. Oracle Designer Objects

- Workareas
- Containers & Container Types
- Folders
- Version Control
- Version Tree

3. Oracle Designer Component Overview

- Entity Relationship Diagrammer and Server Design
- Function Hierarchy Diagrammer and Application Design
- Process Model Diagrammer and Application Design
- Matrix Diagrammer and Application Design
- Database Design Transformer
- Application Design Transformer
- Design Editor
- Repository Tools
- Dependency Manager
- Matrix Diagrammer

4. Entity Relationship Diagrammer

- Diagrammer utility
- File and Window Manipulation
- Create Entities
- Create, Select, and Manipulate Elements
- Move, Resize, Cut, Copy, and Paste Elements
- Add Attributes to Entities
- Unique Identifiers and Primary Identifiers
- Create Domains

5. Detailed Entity Relationship Information

- Entity/Attribute Detailed Dialog
- Entity Synonyms
- Unique Identifier Definition
- Attribute Definition
- Attribute Detail
- Entity/Attribute Text
- Domain Definition / Detail

6. Advanced Diagrammer Features

- ERD Customization
- Printing Diagrams
- Navigating/Selecting Name and Type
- Cut, Copy and Paste
- Auto Layout
- Rescale Diagram
- Incorporating Objects in ERD

7. Database Design Transformer

- Transformation from ER Model to Database Design
- Database Design Transformer utility
- Transformer Settings
- Transformer Run Options
- Column Attribute Mapping
- UID Primary Key Mapping
- Relationship Foreign Key Mapping
- Index Mapping

8. Design Editor

- Design Editor Overview
- Wizards and Guides
- Design navigator views
- Schema diagram
- Property palette



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- Create database objects
- Disable Dialogs
- Property Palette Customization
- Design Editor Navigator
- Create and Delete Elements



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