

Database Design and Database Programming

Day 1		
Activity	Start Time	Length
Welcome & Introductions	9:00 AM	20
Lecture	9:20 AM	40
Practice	10:00 AM	20
Lecture	10:20 AM	40
Mid-morning Break	11:00 AM	15
Practice	11:15 AM	30
Lecture	11:45 AM	45
Practice	12:30 PM	30
Lunch	1:00 PM	45
Lecture	1:45 PM	30
Practice	2:15 PM	10
Lecture	2:25 PM	35
Mid-afternoon break	3:00 PM	15
Practice	3:15 PM	15
Lecture	3:30 PM	35
Team Project	4:05 PM	105
Lecture	5:50 PM	10
Day 2		
Activity	Start Time	Length
Lecture	9:00 AM	30
Practice	9:30 AM	15
Lecture	9:45 AM	30
Practice	10:15 AM	15
Lecture	10:30 AM	30
Mid-morning Break	11:00 AM	15
Practice	11:15 AM	15
Lecture	11:30 AM	40
Practice	12:10 PM	25
Lecture	12:35 PM	25
Lunch	1:00 PM	45
Lecture	1:45 PM	20

Practice	2:05 PM	20
Lecture	2:25 PM	35
Mid-afternoon break	3:00 PM	15
Practice	3:15 PM	20
Lecture	3:35 PM	30
Practice	4:05 PM	20
Team Project	4:25 PM	85
Lecture	5:50 PM	10
Day 3		
Activity	Start Time	Length
Lecture	9:00 AM	45
Practice	9:45 AM	45
Lecture	10:30 AM	30
Mid-morning Break	11:00 AM	15
Lecture	11:15 AM	15
Practice	11:30 AM	30
Lecture	12:00 PM	60
Lunch	1:00 PM	45
Practice	1:45 PM	60
Lecture	2:45 PM	30
Mid-afternoon break	3:15 PM	15
Lecture	3:30 PM	20
Lecture	3:50 PM	40
Practice	4:30 PM	20
Team Project	4:50 PM	60
Lecture	5:50 PM	10
Day 4		
Activity	Start Time	Length
Lecture	9:00 AM	45
Practice	9:45 AM	20
Lecture	10:05 AM	35
Practice	10:40 AM	20
Mid-morning Break	11:00 AM	15
Lecture	11:15 AM	50
Practice	12:05 PM	25

Lecture	12:30 PM	30
Lunch	1:00 PM	45
Lecture	1:45 PM	20
Practice	2:05 PM	25
Lecture	2:30 PM	30
Mid-afternoon break	3:00 PM	15
Lecture	3:15 PM	30
Practice	3:45 PM	30
Lecture	4:15 PM	60
Lecture	5:15 PM	10
Team Project	5:25 PM	35
Day 5		
Activity	Start Time	Length
Practice	9:00 AM	30
Lecture	9:30 AM	50
Practice	10:20 AM	40
Mid-morning Break	11:00 AM	15
Exam	11:15 AM	60
Demonstration	12:15 PM	45
Lunch	1:00 PM	45
Team Project	1:45 PM	75
Mid-afternoon break	3:00 PM	15
Team Project	3:15 PM	75
Presentations	4:30 PM	80
Lecture	5:50 PM	20

with SQL - 5 Day In Class Event

Section
Welcome to the Oracle Academy Database Institute
Database Design: Section 1 Introduction, 2 Data Modeling, 3 Entity-relationship Diagraming
Practices for Database Design Section 1,2,3
Database Design: Section 4 Supertypes, Subtypes and Business Rules, 5 Working with Entity Relationships, 6 Unique Identifiers and Normalization, 7 Arcs, Hierarchies, and Historical Data
Practices for Database Design: Section 4,5,6,7
Database Design: Section 8 ERD Project Presentation, 9 Modeling Change, 10 Drawing Conventions and Generic Modeling
Practices for Database Design Section 9,10
Database Design: Section 11 Transforming from Conceptual Model to Physical Model
Practices for Database Design Section 11
Database Design: Section 12 Introduction to SQL
Practices for Database Design Section 12
Database Design: Section 13 Introduction to the Final Project , 14 Preparing Project Final Presentation
Project
Recap of Day 1
Section
Database Design: Section 15 Select Statements and Relational Database Technology
Practices for Database Design Section 15
Database Design: Section 16 Using the Where Clause
Practices for Database Design Section 16
Database Design : Section 17 Restricting Rows and Introduction to Functions
Practices for Database Design Section 17
Database Programming: Section 1 Using Character, Number and Date Functions
Practices for Database Programming Section 1
Database Programming: Section 2 Using Single Row Functions
Practices for Database Programming Section 2
Database Programming: Section 2 (Cont...)

Practices for Database Programming Section 2
Database Programming: Section 3 Executing Database joins
Practices for Database Programming Section 3
Database Programming: Section 4 Working With Group Functions
Practices for Database Programming Section 4
Project
Recap of Day 2
Section
Database Programming: Section 5 Using Complex SQL with Aggregated Data
Practices for Database Programming Section 5
Database Programming: Section 6 Creating Subqueries
Practices for Database Programming Section 6
Database Programming: Section 6 (Cont..)
Practices for Database Programming Section 6
Database Programming: Section 7 Constructing DML Statements, 8 Working with DDL Statements
Practices for Database Programming Section 7, 8
Database Programming : Section 9 Ensuring Quality Query Results
Practices for Database Programming Section 9
Database Programming: Section 9 (Cont..)
Database Programming : Section 10 Creating and Managing Constraints
Practices for Database Programming Section 10
Project
Recap of Day 3
Section
Database Programming: Section 11 Creating and Managing Views
Practices for Database Programming Section 11
Database Programming : Section 12 Working With Sequences
Practices for Database Programming Section 12
Database Programming : Section 13 Fundamentals of Database Security
Practices for Database Programming Section 13

Database Programming : Section 14 Understanding Database Transactions
Database Programming : Section 14 (Cont...)
Practices for Database Programming Section 14
Database Programming : Section 15 Oracle Proprietary Join Syntax
Database Programming : Section 15 (Cont..)
Practices for Database Programming Section 15
Database Programming : Section 16 Amazing Books Final Project
Recap of Day 4
Project
Section
Practices for Database Programming Section 16
Database Programming Section 17 Ensuring Quality Query Results - Advanced Techniques
Practices for Database Programming Section 17
Custom Final Exam
Oracle iLearning Administration
Project Design Completion
Project Implementation using APEX
Project Presentations
Recap, Feedback

Custom Exam	iLearning Report ID
DDDP13C E, DDDP13C ECN	1399658078, 1436316128