Introduction to the Oracle Academy
What Will I Learn?

In this lesson, you will learn to:

• Give examples of jobs, salary, and opportunities available that could result from participating in the Academy
• Understand how participating in the Academy can help you to realize these opportunities
Why Learn It?

A passage from a book may get you interested in reading the whole text. A movie trailer or preview may make you curious enough to see the film. A food sampled at the supermarket may result in a product purchase.

The Oracle Academy aims to give you a peek at some of the skills required in the professional workplace and the opportunities that could result from learning them.
Tell Me / Show Me

What kind of career do you want to have? What types of jobs are you interested in?

The Academy is designed to help you figure this out!
Tell Me / Show Me

Labor statistics report a steady increase in employment opportunities for database and Internet-trained personnel in many fields, including:
- Publishing
- Trade
- Business Services
- Membership Organizations

As more and more organizations project a presence on the World Wide Web, there is a growing demand for skilled professionals to develop and support WWW applications.
### Tell Me / Show Me

#### Survey

Jobs and salaries in the IT field*

<table>
<thead>
<tr>
<th>Group</th>
<th>Average Starting</th>
<th>Average Base Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business programmers</td>
<td>54,351</td>
<td>67,382</td>
</tr>
<tr>
<td>Communications</td>
<td>44,967</td>
<td>52,945</td>
</tr>
<tr>
<td>Computer staff</td>
<td>26,105</td>
<td>29,986</td>
</tr>
<tr>
<td>Database professionals</td>
<td>46,327</td>
<td>53,456</td>
</tr>
<tr>
<td>Management</td>
<td>63,470</td>
<td>75,317</td>
</tr>
<tr>
<td>Support professionals</td>
<td>32,926</td>
<td>39,828</td>
</tr>
</tbody>
</table>

* Sample State = California
Tell Me / Show Me

Required education level for IT positions

Today, so many jobs require an associate’s degree or higher degree. In technology, many opportunities ask for industry-recognized certifications.

Oh, I guess a high school education is not enough...
Tell Me / Show Me

Introducing...

The Oracle Academy

Teacher-led/project-driven
+
I.T. industry-recognized certification
+
Higher-Education options
=
21st-century economic viability
Tell Me / Show Me

For which careers does the Oracle Academy prepare you?

Possible Career Path 1
Title: Entry-Level Database Engineer
Description: Maintain the integrity of data; run queries against the database
Requirements: 0 - 2 yrs. + bachelor's degree
Salary: $25,000 - $50,000 USD

Title: Database Administrator (DBA)
Description: Do extensive analysis and problem solving; maintain database configuration and ensure data-feed accuracy and quality
Requirements: 2 - 5 yrs. + bachelor's degree
Salary: $65,000 - $90,000 USD
Tell Me / Show Me

For which careers does the Oracle Academy prepare you?

Possible Career Path 1
Title: Senior Database Administrator
Description: Develop, implement, enhance, support, and maintain database
Requirements: 5+ yrs. + bachelor's degree
Salary: $100,000+ USD

Possible Career Path 2
Title: Junior Consultant
Description: Visit client sites; install and troubleshoot systems
Requirements: 0 - 3 yrs. + bachelor's degree
Salary: $35,000 - $45,000 USD
Tell Me / Show Me

For which careers does the Oracle Academy prepare you?

Possible Career Path 2

Title: Sales Consultant
Description: Assist Sales Representatives; present applications and systems to potential clients; project management and needs analysis
Requirements: 2 - 3 yrs. + bachelor's degree
Salary: $50,000 - $90,000 USD

Title: Project Manager
Description: Manage product design, engineering, implementation and integration; initiate and maintain partner relationships
Requirements: 4+ yrs. + bachelor's degree
Salary: $90,000+ USD
Tell Me / Show Me

Database Design

• Entity relationship modeling, database design, development, and normalization
• History of the database, evolution of computing
• Business skills: presentations, case studies

MOVIE
sdm_s01_l01_a07.swf
Tell Me / Show Me

Database Programming with SQL

• SQL (structured query language) “The language of the database”
• Accessing data with SQL
• Data definition, manipulation, and control languages
• Transaction control
• Building applications
• Business skills: interviewing, creating a career portfolio
Tell Me / Show Me

Java Fundamentals

• Overview of the Java platform: history, essential concepts, programming elements
• Practical object-oriented principals, syntax and command-line statements
• Java applications, using command-line prompts and the Java Development Kit (downloaded from Sun Microsystems)
• Business skills: resume/college applications
Tell Me / Show Me

Java Programming and AP Exam

- Database applications and applets
- Integrated design environment
- Preparation for and completion of Advanced Placement Computer Science Exam
- Business skills: portfolio creation, resume/college applications
Tell Me / Show Me Certification

Two exams associated with the Oracle Academy
• Introduction to Oracle – SQL
• Academy Java Exam and APCS
Tell Me / Show Me

Oracle offers educational initiatives for all academic levels.

**Think.com** is an online service provided free to schools, without advertising. It’s a world where students can learn to send email, create a website of their schoolwork, and collaborate online with other students and teachers. Think.com is a password-protected community designed for K-12 students. The Oracle Education Foundation is a nonprofit organization that assists K-12 schools and youth organizations by providing resources, training, and support to integrate technology into the learning environment.
Tell Me / Show Me

Oracle offers educational initiatives for all academic levels.

**ThinkQuest** is an international website-building competition, sponsored by the Oracle Education Foundation. Teams of students (ages 9-19) and teachers are challenged to build websites on educational topics. These websites are published in the popular ThinkQuest Library, and top-scoring teams win valuable prizes. The program encourages students to explore globally relevant subjects through collaboration.

In addition, the Foundation engages in partnerships that provide young people from low-income backgrounds with access to high-quality technology learning. One example is a partnership that delivers the Oracle Academy to youth at Boys & Girls Clubs on the San Francisco Peninsula.
Tell Me / Show Me

Oracle offers educational initiatives for all academic levels.

The Oracle Academic Initiative (OAI) program partners with educators to deliver state-of-the-art Oracle software and curriculum resources to non-profit, accredited college and university classrooms. This provides access to resources that are often too costly for their budget. The OAI mission is to enable every higher-education student to acquire industry-relevant skills and an introduction to the Oracle certification pathway.
Tell Me / Show Me

Oracle offers educational initiatives for all academic levels.

The Workforce Development Program (WDP) allows education institutions to deliver Oracle training as part of certificate and non-degree programs offered via Continuing Education. With this, WDP will allow for easy and low-cost access to Oracle training in local communities across the country.
Summary

In this lesson, you have learned to:

• Give examples of jobs, salary, and opportunities available that could result from participating in the Academy
• Understand how participating in the Academy can help you to realize these opportunities
Summary

Practice Guide

The link for the lesson practice guide can be found in the course outline.