

ORACLE JAVA APPLICATION DEVELOPER (OJAD)

ORACLE 12C & JAVA 8

Oracle is the most widely used database in the world today and Java is the World's #1 programming language of choice for web application developers, technology combination ideal for those looking to build a lasting IT career.

Java is the foundation for virtually every type of networked application and is the global standard for developing and delivering mobile applications, games, Web-based content, and enterprise software with more than 9 million developers worldwide, Java enables you to efficiently develop, deploy and use exciting applications and services. It's also integral to the Internet applications and other business solutions that are the foundation of corporate computing.

From Laptops to data centers, game consoles to scientific supercomputers, Cell phones to the Internet, Java is everywhere.

* 97% of Enterprise desktops run Java
* Today, Java technology is already present in 5 billion SIMs and Smart Cards, 3 billion Mobile Handsets, 80 million TV devices, including every Blue-ray player shipped.

Java powers set top boxes, printers, games, car navigation systems, ATMs, lottery terminals, medical devices, parking payment stations and more.

The **Oracle Java Application Developer (OJAD)** course has been designed to equip you with both Database and java programming skills that are most desired by the IT industry today.

As a professional with both technology skills, your value as an employable resource is sure to be recognized by recruiting companies.

The curriculum of this course covers key concepts of both Oracle and Java technologies with special emphasis on modules such as SQL, PL/SQL, Programming in JAVA, Web Component development.

Value adds in your OJAD program

The Value Add Modules Covering DBMS Concepts, 12c new features, OOPS Concepts, UI Basics not only reinforce concept and fundamentals but also supplement the Official Curriculum to provide complete knowledge.

Are you right for this program?

The pre-requisites for this program are basic knowledge of any Operating Systems and Programming language.

SQL Workshop I [24 Hours]

- Retrieving Data using the SQL SELECT Statement
- Restricting and Sorting Data
- Using Single-Row Functions to Customize Output
- Using Conversion Functions and Conditional Expressions
- Reporting Aggregated Data Using the Group Functions
- Displaying Data from Multiple Tables Using Joins
- Using Sub queries to Solve Queries
- Using the SET Operators
- Managing Tables using DML statements
- Introduction to Data Definition Language

SQL Workshop II [24 Hours]

- Introduction to Data Dictionary Views
- Creating Sequences, Synonyms, Indexes
- Creating Views
- Managing Schema Objects
- Retrieving Data by Using Sub queries
- Manipulating Data by Using Sub queries
- Controlling User Access
- Manipulating Data
- Managing Data in Different Time Zones

PL/SQL Fundamentals [24 Hours]

- Introduction to PL/SQL
- Declaring PL/SQL Variables
- Writing Executable Statements
- Using SQL Statements within a PL/SQL Block
- Writing Control Structures
- Working with Composite Data Types
- Using Explicit Cursors
- Handling Exceptions
- Creating subprograms

Develop PL/SQL Program Units [24 Hours]

- Creating Stored Procedures
- Creating Functions and Debugging Subprograms
- Creating Packages
- Working With Packages
- Using Oracle-Supplied Packages in Application Development
- Using Dynamic SQL
- Design Considerations for PL/SQL Code
- Creating Triggers
- Creating Compound, DDL, and Event Database Triggers
- Using PL/SQL compiler
- Managing Dependencies



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JAVA Programming [60 Hours]

- What Is a Java Program?
- Creating a Java Main Class
- More on Conditionals
- More on Arrays and Loops
- Arrays , Objects and Classes
- Strings ,String Buffer& Builder
- Encapsulation, Abstraction
- Using Inheritance
- Polymorphism, Abstract classes
- Garbage Collection
- Packages and Interfaces
- Handling Exceptions ,Assertions
- I/O Fundamentals
- File I/O (NIO.2)
- Wrapper classes ,Collections
- Generics
- Threads & Synchronization
- Java Date/Time API
- Localization , i18n
- Overview of the JDBC API
- The Data Access Object pattern
- Object-relational mapping (JPA)
- Java 7 Features
- Lambda Expressions
- Lambda Built-in Functional Interfaces
- Lambda Operations

Duration: 156 Hrs

Global Certification Details

OCA

IZ0-071 - SQL Fundamentals
1Z0-808 Java SE 8 Programmer I

OCP

IZ0-149 – Program with PL/SQL
1Z0-809 Java SE 8 Programmer II

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