

**Advance Your Career**  
Become Job ready  
in 3-5 months



# Advanced Java™

## What is Advance Java?

Advance java is mostly web programming concepts with database connectivity and server level programming which modifies data at the server level.

## What They Do?

Advance java is used for dynamic Web site creation, networking and database handling.

## Why Advance Java?

Java provides support for web applications through Servlets, Struts or JSPs.



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# Advanced Java – Career Track

## Java Database connectivity

- JDBC Product
- Types of Drivers
- Two-Tier Client/Server Model
- Three-Tier Client/Server Model
- Basic Steps of JDBC
- Creating and Executing SOL Statement
- The Result Set Object
- Working with Database MetaData interface

## Servlets

- Servlet Interaction & Advanced Servlets
- Life cycle of Servlet
- Java Servlet Development Kit
- Servlet package
- Reading Servlet Parameters
- Reading Initialization Parameters
- The javax.servlet.http Package
- Handling HTTP

## Java Server Pages

- JSP Technologies
- Understanding the Client-Server Model
- Understanding Web server software
- Configuring the JSP Servers
- Handling JSP Error
- JSP Translation Time Error
- JSP Request Time Error
- Creating a JSP Error Page

## RMI

- RMI Architecture
- Designing RMI application
- Executing RMI application



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## Enterprise Java Beans

- Types of EnterpriseJava beans
- Session Bean & Entity Bean
- Features of Session Bean
- Life-cycles of Stateful Session Bean
- Features of Entity Bean
- Life-cycles of Entity Bean
- Container-managed Transactions
- Bean-managed Transactions
- Implementing a container-manged Entity Bean

## XML

- What is XML?
- XML syntax rules

## Struts

- Introduction to the Apache Struts
- MVC Architecture
- Struts Architecture
- How Struts Works?
- Introduction to the Struts Controller
- Introduction to the Struts Action Class
- Using Struts ActionFrom Class
- Using Struts HTML Tags
- Introduction To Struts Validator Framework
- Client Side Address Validation in Struts
- Custom Validations Example
- Developing Application with Stuts Tiles



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## Hibernate

- Introduction to Hibernate 3.0
- Hibernate Architecture
- First Hibernate Application

## Java ME

- UI Design
- Graphic Design
- Data Management and Application Development
- Communications
- Assignment and hands on projects

## Complex Project Implementation

- Implementation of complex project utilizing the above concepts



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