

## Advanced Java

### What will you get?

1. Practical Training
2. Assignments
3. Question Bank

### About the Trainer:

Dr. Geeta M. Mete

Ph.D., M.C.S, MBA (HR and IT).

Corporate Trainer

Experience: Over 16+ years of experience

Conducts Corporate and Classroom training on various technologies.

### Course Contents

1. JDBC
2. Servlets
3. JSP
4. Spring
5. Hibernate

### Detailed Syllabus

<b>1. JDBC</b>	<ul style="list-style-type: none"><li>• What is JDBC?</li><li>• JDBC Architecture</li><li>• Common JDBC Components</li><li>• The JDBC Packages</li><li>• Setup Required</li><li>• Creating JDBC Application</li><li>• What is JDBC Driver?</li><li>• JDBC Drivers Types</li><li>• Which Driver should be used?</li><li>• JDBC - Statements, Prepared Statement and Callable Statement</li><li>• JDBC - Result Sets</li><li>• JDBC - Data Types</li><li>• JDBC – Transactions</li><li>• JDBC - Exceptions Handling</li><li>• JDBC - Batch Processing</li></ul>
<b>2. Servlets</b>	<ul style="list-style-type: none"><li>• Servlets - Overview</li><li>• Servlets - Environment</li></ul>

	<ul style="list-style-type: none"> <li>• Servlets - Life Cycle</li> <li>• Servlets - Examples</li> <li>• Servlets - Form Data</li> <li>• Servlets - Client Request</li> <li>• Servlets - Server Response</li> <li>• Servlets - Http Codes</li> <li>• Servlets - Writing Filters</li> <li>• Servlets - Exceptions</li> <li>• Servlets - Cookies Handling</li> <li>• Servlets - Session Tracking</li> <li>• Servlets - Database Access</li> <li>• Servlets - File Uploading</li> <li>• Servlets - Handling Date</li> <li>• Servlets - Page Redirect</li> <li>• Servlets - Hits Counter</li> <li>• Servlets - Auto Refresh</li> <li>• Servlets - Sending Email</li> <li>• Servlets - Packaging</li> <li>• Servlets - Debugging</li> <li>• Servlet Internationalization</li> </ul>
<p><b>3. JSP</b></p>	<ul style="list-style-type: none"> <li>• JSP - Overview</li> <li>• JSP - Environment</li> <li>• JSP - Architecture</li> <li>• JSP - Life Cycle</li> <li>• JSP - Syntax</li> <li>• JSP - Directives</li> <li>• JSP - Actions</li> <li>• JSP - Implicit Objects</li> <li>• JSP - Client Request</li> <li>• JSP - Server Response</li> <li>• JSP - Http Codes</li> <li>• JSP - Form Processing</li> <li>• JSP - Writing Filters</li> <li>• JSP - Cookies Handling</li> <li>• JSP - Session Tracking</li> <li>• JSP - File Uploading</li> <li>• JSP - Handling Date</li> <li>• JSP - Page Redirect</li> <li>• JSP - Hits Counter</li> <li>• JSP - Auto Refresh</li> <li>• JSP - Sending Email</li> </ul>
<p><b>4. Hibernate</b></p>	<ul style="list-style-type: none"> <li>• ORM Overview</li> <li>• Hibernate Overview</li> <li>• Hibernate Architecture</li> </ul>

	<ul style="list-style-type: none"> <li>• Hibernate Environment</li> <li>• Hibernate Configuration</li> <li>• Hibernate Sessions</li> <li>• Hibernate Persistent Class</li> <li>• Hibernate Mapping Files</li> <li>• Hibernate Mapping Types</li> <li>• Hibernate Examples</li> <li>• Hibernate O/R Mappings</li> <li>• Hibernate Annotations</li> <li>• Hibernate Query Language</li> <li>• Hibernate Criteria Queries</li> <li>• Hibernate Native SQL</li> <li>• Hibernate Caching</li> <li>• Hibernate Batch Processing</li> <li>• Hibernate Interceptors</li> </ul>
<p><b>5. Spring</b></p>	<ul style="list-style-type: none"> <li>• Overview</li> <li>• Architecture</li> <li>• Environment Setup</li> <li>• Hello World Example</li> <li>• IoC Containers</li> <li>• Bean Definition</li> <li>• Bean Scopes</li> <li>• Bean Life Cycle</li> <li>• Bean Post Processors</li> <li>• Bean Definition Inheritance</li> <li>• Dependency Injection</li> <li>• Injecting Inner Beans</li> <li>• Injecting Collection</li> <li>• Spring Beans Auto-Wiring</li> <li>• Annotation Based Configuration</li> <li>• Java Based Configuration</li> <li>• Event Handling in Spring</li> <li>• Custom Events in Spring</li> <li>• AOP with Spring Framework</li> <li>• Spring JDBC Framework</li> <li>• Transaction Management</li> <li>• Spring Web MVC Framework</li> <li>• Spring Logging with Log4J</li> </ul>