

ADVANCED JAVA:

"Advanced Java" is everything that goes on the far side that - most significantly the APIs outlined in Java Enterprise Edition, i.e. Servlet programming, internet Services, the Java Persistence API, etc.

"Core Java" suggests that "stand -alone" java applications whereas "Advanced java" suggests that java applications that runs on servers i.e., these are the "web applications".

Advance java includes chiefly of 3 things:

JSP: JSP stands for Java Server Pages. JSP is employed to create up forms. It is used as a read a part of the MVC model. If someone don't apprehend to write the code in JSP they will directly use JavaScript or HTML with CSS.

SERVLET: servlet is that the controller a part of MVC model. This can be wont to scan the content of knowledge no matter is coming back from the read half. E.g.: reading kind information. If somebody doesn't savvy to write down servlet code then they will choose frameworks like Spring MVC.

JDBC: this can be the model a part of the MVC model. This can be used for obtaining connected with information and playing information operations like storing and retrieving information. If somebody doesn't savvy to write down information code then they will choose a framework known as Hibernate. Different frameworks embody spring, Apache Struts, Spark, Vaadin etc.

Course Content:

Java Database Connectivity (JDBC):

- Overview of RDBMS
- Introduction to JDBC & JDBC Architecture
- Establishing a JDBC Connection
- Executing Statement, Prepared Statement and Callable Statement
- Scrollable and Editable Result Set
- Types of JDBC Drivers

Common Gateway Interface:

- Introduction to CGI
- GET and POST Request Methods
- What is Name-Value pair
- Content Types and MIME

Java Servlets:

- Servlet as an improved CGI
- Servlet Fundamentals/API
- Developing and Deploying Servlets

- State Management using Cookies, Session and Application

Java Server Pages (JSP):

- JSP Architecture
- Basics & Syntax
- JSP Directive Tags
- JSP Scriptlet Tags
- JSP Action Tags
- Using Java Beans from JSP
- JSP Tag Library

Remote Method Invocation (RMI):

- Object Persistence and Serialization
- Introduction to Distributed Computing & 3 - Tier Architecture
- RMI Architecture
- RMI for Distributed Computing
- Call back in RMI

Java Beans:

- JavaBean Architecture
- JavaBean Characteristics
- Providing Properties & Methods
- Event in JavaBeans
- Participating in Introspection

CORBA:

- Introduction to CORBA
- CORBA for Distributed computing
- ORB & IIOP
- Defining interfaces and datatypes using Interface Definition Language (IDL)
- CosNaming Service
- Developing CORBA Client/Server application using JavaIDL

Struts and MVC Architecture:

- Model-View-Controller (MVC) Architecture
- MVC Model 1 and Model 2 in Web Applications
- What is a Framework?

- Introduction to Struts Framework
- Struts Framework Components
- Struts Controller Components
- Struts Model Components
- Struts View Components

Configuring Struts Application:

- Web Application Directory Structure
- Web Application Deployment Descriptor
- Struts Configuration File

Struts Controller Components:

- Controller Mechanisms

Struts Model Components:

- Business Objects and JavaBeans
- Persistence and Persistent Objects
- Implementing Model using Struts

Struts View Components:

- Action Forms
- Action Errors

JSP Custom Tag Libraries:

- Tag Library Overview
- Tag Libraries in Struts
- Using JavaBeans with Strut Tags
- Struts HTML Tags
- Overview of JSP Standard Tag Library (JSTL)

Exception Handling:

- ActionError and ActionErrors
- Adding Error handling
- ActionForm validate method
- Error Management in Action.execute ()
- Handling exceptions
- Declarative Exception Handling



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Struts Validator:

- Email
- Mask
- Range
- Length
- Date
- Credit card

Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
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In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places



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