



COVERAGE

- SQL Basics
- JDBC (Java Data Base Connection)
- HTML and JavaScript
- SERVLET
- JSP (Java Server Pages)
- JSF (Java Server Faces)
- Facelets
- Web Services
- EJB (Enterprise Java Bean)
- AJAX
- Using IDE (Integrated Development Environment)
- Project

SYLLABUS IN DETAILS

SQL Basics

- JDBC What is Persistency ?
- What is JDBC, ODBC ?
- JDBC architecture.
- Loading and Connecting to database.
- Using Connection, Statement, ResultSet.
- Data Fetching, Updatable & Scrollable methods of ResultSet.
- Types of Driver, Using different types of Driver.
- Using PreparedStatement
- Using Callable Statement to invoke procedure &, functions.
- Transaction Management,
- Using ResultSetMetadata.
- Connection to different data bases like MS-ACCESS, MYSQL, ORACLE etc.
- Batch Processing
- Problem Solving & Interview Question.

HTML and JavaScript SERVLET

- Introduction to Server Side Programming..
- Web Server.

- Web Container.
- The Servlet API.
- The Servlet Interface.
- Servlet Life Cycle.
- Deployment of Web Application.
- What is Deployment Descriptor.
- Creating a servlet by inheriting from GenericServlet class.
- Creating a servlet by inheriting HttpServlet class.
- The ServletConfig Interface.
- The ServletContext Interface.
- Permanent Servlet.
- Servlet Communication.
- Servlet Chaining(Forward & Including the request).
- Send Redirect .
- Stateless and Stateful protocols.
- Session Tracking Mechanisms (HiddenField, URL Rewriting, Cookie, Session).
- Servlet Filters.
- Listeners
- Web-Security.

- Types of Variables in Servlet.
- Problem Solving & Interview Question.

JSP (Java Server Pages) Introduction to Java Server Pages.

- Architecture & Anatomy of JSP Page.
- JSP life cycle, JSP with MVC Architecture.
- Dynamic webpage Creation.
- Scripting Elements.
- Database access from JSP.
- Servlet vs JSP.
- User tracking in JSP.
- Error handling in JSP.
- Types of variables.
- Implicit object in JSP.
- Forwarding & including the request.
- Static include.
- Servlet-JSP interaction.
- Using Java Beans(Simple, Indexed, Boolean, Bound, Constraint Beans).
- Creating custom tags.
- Creating a Small Mail like project.
- Problem Solving & Interview Question.

JSF (Java Server Faces)

- Introduction to Java Server Faces.
- What Is a JavaServer Faces Application ?
- JavaServer Faces Technology Benefits.
- Creating a Simple JavaServer Faces Application.
- Problem Solving & Interview Question.

Facelets

- Introduction to Facelets.
- What Is Facelets?
- Developing a Simple Facelets Application
- Creating a Facelets Application
- Problem Solving & Interview Question.

Web Services

- Introduction to Web Services.
- Building Web Services with JAX-WS
- Building RESTful Web Services with JAX-RS
- JNDI (Java Naming Directory Interface)
- Interview Question.

EJB (Enterprise Java Bean)

- Introduction to Web Services.
- Enterprise JavaBeans Technology
- EJB Component Architecture
- Role of EJB & its life cycle.
- Types of Beans
- Stateless and Stateful beans
- Java Persistence API
- Security in Java EE.
- Problem Solving & Interview Question.

AJAX

Using IDE (Integrated Development Environment)