

Advance Java

JDBC

- Need Of JDBC
- ODBC vs Properties File
- JDBC vs ODBC
- JDBC Drivers & Related Class
- Steps to connect to the database
- Connectivity with Oracle
- Connectivity with MySQL
- Connectivity with Access without DSN
- DriverManager
- Connection interface
- Statement interface
- ResultSet interface
- PreparedStatement
- ResultSetMetaData
- DatabaseMetaData
- Storing image in Database
- Retrieving image from Database
- Stored procedures and functions
- Transaction Management
- Batch Processing
- JDBC New Features
- Mini Project

Java New Features

- Assertion
- For-each loop
- Varargs
- Static Import
- Autoboxing and Unboxing
- Enum Type
- Annotation et

Servlet

Basics of Servlet

- Need of Web Application
- Servlet vs CGE & EJB
- Servlet: What and Why?
- Basics of Web & Application
- Servlet API
- Servlet Interface
- GenericServletClass
- HttpServletClass
- Servlet Life Cycle
- Working with Apache Tomcat Server
- Steps to create a servlet in Tomcat
- How servlet works?
- servlet in Eclipse
- Deployment descriptor file
- Servlet Application Development Process
- First Servlet application

ServletRequest

- ServletRequest methods
- Registration example with DB

Servlet Collaboration

- RequestDispatcher
- Send Redirect

ServletConfig

- ServletConfig methods
- ServletConfig example

ServletContext

- ServletContext methods
- ServletContext example

Attribute's & Parameter's

- How to set, get and remove example?

Session Tracking

- Cookies
- Hidden Form Field
- URL Rewriting
- HttpSession

Event and Listener

Filter

- Filter Chaining
- Authentication Filter
- FilterConfig
- Useful examples

ServletInputStream&

ServletOutputStream

Annotation Servlet

MINI Project Collaboration with Database

JSP

Basics of JSP

- JSP vsServlet
- Life cycle of JSP
- JSP API
- JSP in Eclipse and other IDE's

Scripting elements

- scriptlet tag
- expression tag
- declaration tag

9 Implicit Objects

- out
- request
- response
- config
- application
- session
- pageContext
- page
- exception

Directive Elements

- page directive
- include directive
- taglib directive

Exception Handling

Action Elements

- jsp:forward
- jsp:include
- Bean class
- jsp:useBean
- jsp:setProperty&jsp:getProperty
- Displaying applet in JSP

Expression Language

JSTL

Custom tags

- Custom Tag : What and Why?
- Custom Tag API?
- Custom Tag Example
- Attributes
- Iteration

Mini Project in JSP With Database collaboration