



Java is a programming language and computing platform first released by Sun Microsystems in 1995. It is the underlying technology that powers state-of-the-art programs including utilities, games, and business applications. It enables programmers to write computer instructions using English based commands, instead of having to write in numeric codes. It's known as a "high-level" language because it can be read and written easily by humans.

JDBC

- Introduction to JDBC
- JDBC Architecture
- Types of JDBC Drivers
- Establishing a JDBC Connection
- Integration Java to Database using JDBC API
- Using Statement
- Using Prepared Statement
- Using Callable Statement
- Establish Result Set
- ScrollableResultSet
- Batch Updates
- Inserting BLOB&CLOB type of columns
- Managing Transaction Management

Common Gateway Interface

- Introduction to CGI
- Disadvantage and Limitations of CGI

Servlets

- Servlet as an improved CGI
- Servlet fundamentals
- Web Container & Web Server
- Servlet Life Cycle/Architecture
- Http Methods
- Configuration of Web Application
- web.xml (Deployment Descriptor file)
- Specifying welcome file
- ServletContext
- ServletConfig
- Request Dispatcher

- Session Management
- Using Http Session
- Using Cookie
- Using URL Rewriting
- Filters
- FilterConfig
- Filter Chain
- Jar file creation
- War file creation

Java Server Pages (JSP)

- JSP Architecture
- JSP implicit objects
- JSP Directive Tags
- Page Directive
- Include Directive
- Taglib Directive

JSP Standard Actions

- use Bean tag
- set Property tag
- get Property tag
- include tag
- forward tag
- plug-in tag
- param tag

Custom Actions

- Classic
- Simple
- JSP Scripting tags
- Declaratives
- Script lets
- Expressions
- EL implicit Objects
- JSTL & Tag library
- JavaBeans
- IDE
- My Eclipse
- Servers
- Tomcat
- Web logic