
JAVA Course Content

Pre-requisite: C, C++, OOPS Concepts, SQL.

Programming Fundamentals

- Get basic knowledge of OOPS
- Software Engineering
- SQL Queries
- web designing and programming.

Fundamentals of JAVA

- Get introduced to Java Fundamentals and learn JVM
- JDK
- JRE
- class object
- class members
- data types
- modifier
- constructor
- garbage collection
- source file layout
- flow control
- arrays
- object oriented features etc.

Database Connectivity

- Acquire knowledge of MySQL
- JDBC with architecture
- types of Drivers
- CRUD operation using swing.

Learn Web Technologies

- Introduction to HTML & CSS
- JavaScript
- Client and Server Architecture
- Request and Response
- J2EE Architecture and web component development using Java.

Applicability to Industry Standard

- Learn about sessions
- MVC design patterns
- distributed technologies
- web services etc.

Hibernate

- fundamentals of hibernate with architecture
- Hibernate configuration using XML and types of relations.

Spring

- Spring core
- spring MVC
- spring page redirection
- spring static page redirection
- spring web forms
- spring session management
- spring MVC integration with Hibernate using CRUD Operation.

Applicability to Industrial Project

- Learn cloud integration and Application deployment on cloud.

