

Hibernate Course Content

Pre-requisite: JAVA

Hibernate is the most popular object-relational mapping framework for Java environments.

- Advantages of Hibernate compared to JDBC
- Introduction
- ORM (Object Relational Mapping)
- Hibernate Resources
- Hibernate Architecture
- Installation and Directory Structure
- Hibernate Data Types
- First Application using Hibernate
- Hibernate API
- Object Life cycle in Hibernate
- CRUD operations using Session methods.
- Versioning
- Primary key Generators
- Hibernate Query Language (HQL)
- Joins in Hibernate
- Batch processing and Native SQL
- Criteria API
- Criteria with projections
- Inheritance Mapping
- Component Mapping
- Custom Mapping
- Collection Mapping
- Association Mapping
- Caching
- Connection Pool
- Transactions and Concurrency
- Hibernate Pagination
- Hibernate Filter
- Hibernate Interceptor
- Connecting with Multiple Databases(Oracle, HypersonicSQL)
- Integrating Hibernate with Servlet
- Integrating Hibernate with Struts Working with Hibernate Annotations