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The Persistence with Hibernate Certification training course provides a comprehensive knowledge of the fundamental concepts of Hibernate like Associations, Session, Mappings, Transaction and Inheritance. The course helps the delegates to become a Hibernate expert. The course enables the delegates to implement a Hibernate project in Java and also solve complex Relational Database Management System problems with entity beans. By the end of the course, the delegates will have a strong foundation on Java persistence with Hibernate and become confident and competent Hibernate programmer. The course is beneficial for Java programmer who want to gain an understanding of the fundamental concepts of Java persistence with Hibernate.

The usage and complexity of Database are increasing rapidly as data usage is increasing day by day in all domain applications. Hence, a framework is required which handle all the transactions, connections, sessions and life cycle of the database. This is when Hibernate came into the picture and assists the professionals to focus on business logic instead of database environments. During the Hibernate course, the delegates will learn about Java Persistence, Hibernate, Hibernate Tools, Hibernate inheritance strategies, Hibernate Query Language, Hibernate Validation Framework and most advanced features of Hibernate NoSQL.

Prerequisites

The delegates are expected to have

- An excellent knowledge of relational databases and SQL
- Minimum one year of full-time Java development experience

Course Objectives

- Get insights into fundamental and advanced concepts of Hibernate and ORM
- Implement Hibernate Mappings, Inheritance and Types
- Understand Hibernate Transactions, Filter and Performance
- Hibernate with NoSQL and Spring
- Implement life cycle of Hibernate Persistence and Session Factory
- Understand Hibernate Criteria and Query Language
- Implement Hibernate Search and Validations

- Understand Hibernate Architecture
- Hibernate Query Language (HQL)
- Composite Identifiers

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- Associations
- Mapping Inheritance
- Spring and Hibernate Transaction Management
- Performance and Tuning Optimisation
- Best Practices for Locking

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