



Hibernate Course Contents



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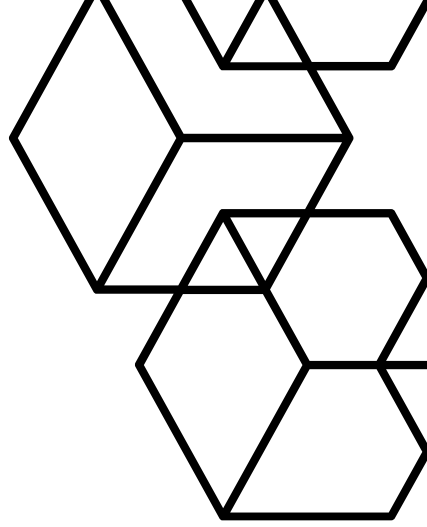
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CHAPTER 1 : INTRODUCTION TO ORM WITH HIBERNATE

- What is ORM?
- Advantages of ORM
- Introduction to Hibernate
- Hibernate Features
- Hibernate Architecture

CHAPTER 2 : HIBERNATE SETUP

- Hibernate installation
- Hibernate Configuration
- Hibernate Configuration Properties
- Hibernate example Application
- Hibernate ORM with Oracle



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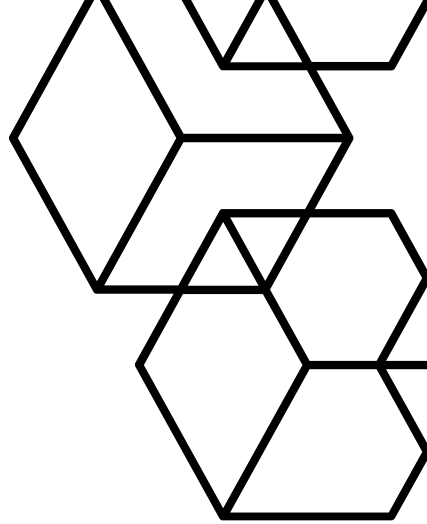
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CHAPTER 3 : HIBERNATE MAPPING

- Hibernate mapping elements
- Java Classes as entities
- Identifier mapping
- Mapping collection associations
- Inheritance mapping

CHAPTER 4 : HIBERNATE QUERY LANGUAGE

- Hibernate Query Language Overview
- Select clause
- From clause
- Where clause
- Group by clause
- Order by clause
- Aggregate functions
- Join clause
- projection queries



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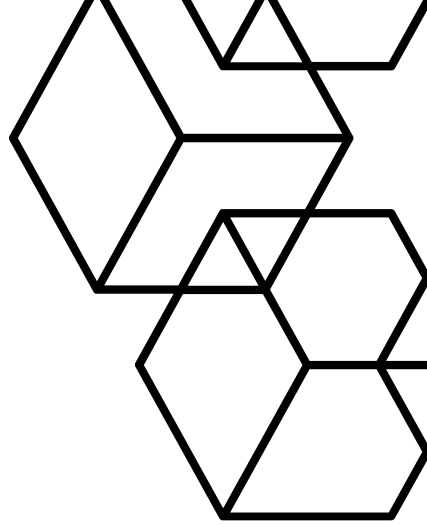
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CHAPTER 5 : HIBERNATE CACHING

- Introduction to Hibernate Caching
- First level cache
- Second level cache
- Ehcache configuration
- Query caching
- Transaction handling

CHAPTER 6 : HIBERNATE TRANSACTIONS

- Introduction to Hibernate Transaction Management
- Spring Platform Transaction Management
- Hibernate Transaction Management
- Transaction Propagation
- Hibernate Exception Handling



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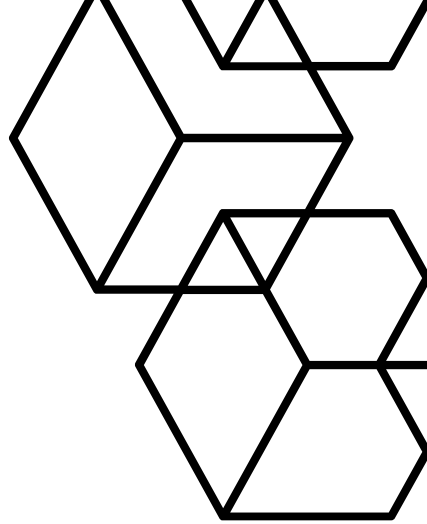
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CHAPTER 7 : HIBERNATE ANNOTATIONS

- Hibernate Annotation Overview
- Entity Annotations
- Table Annotations
- Column Annotations
- Id Annotation
- Transient Annotation
- EmbeddedId Annotation
- ManyToOne Annotation

CHAPTER 8 : HIBERNATE INTERCEPTORS

- Hibernate Interceptors Overview
- Interceptors Configuration
- Implementing Hibernate Interceptors
- Audit Logging using Interceptors
- JDBC and connection management with Interceptors



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CHAPTER 9 : HIBERNATE INTEGRATION WITH SPRING

- Introduction to Hibernate Integration with Spring
- Spring Hibernate Example
- SessionFactory Configuration
- HibernateDaoSupport Class
- HibernateTemplate Class

