1. Hibernate Getting Started

- ✅ **Hibernate Framework Overview - Architecture and Basics** - In this article, before getting started with Hibernate framework, let's familiarize ourselves with a few basic concepts of the hibernate framework, architecture, benefits, and advantages over JDBC, etc.

- ✅ **Hibernate 5 - Hello World Tutorial** - In this Hibernate hello world tutorial, we will show you how to create a Hibernate Application to connect MySQL database.

- ✅ **Hibernate 5 XML Configuration Example** - In this article, we will show you how to create a Hibernate Application using hibernate.cfg.xml configuration to connect to the MySQL database.

- ✅ **Hibernate 5 Java Configuration Example** - In this article, we will show you how to create a Hibernate Application using Java configuration without using hibernate.cfg.xml to connect to the MySQL database.

- ✅ **Hibernate/JPA - Primary Key Generation Strategies** - Let's discuss 4 different primary key generation strategies that generate the primary key values programmatically or use database features, like auto-incremented columns or sequences.

- ✅ **Guide to JPA and Hibernate Cascade Types** - JPA allows you to propagate the state transition from a parent entity to a child. This article describes all cascade types with an example.

- ✅ **Hibernate 5 - Enum Type Mapping Example** - In this article, we will show you how a Java enum type is persisted into a database.

- ✅ **Hibernate Component Mapping Using @Embeddable and @Embedded Annotation** - With Hibernate we can use the `@Embeddable` annotation to mark a class to be eligible as an embeddable class.

- ✅ **Hibernate Object States – Transient, Persistent, and Detached** - In this article, we will discuss what are Hibernate object states with examples.

2. Hibernate Session Methods (With Examples)

- ✅ **Hibernate - Save an Entity Example** - In this article, we will create a simple Hibernate application to demonstrate how to save an entity into a database.

- ✅ **Hibernate - Persist an Entity Example** - In this article, we will create a simple Hibernate application to demonstrate how to persist an entity into a database.

- ✅ **Hibernate - saveOrUpdate() Method Example** - In this article, we will create a simple Hibernate application to demonstrate how to save or update an entity in the database using the saveOrUpdate() method.

- ✅ **Hibernate - get(), load(), and byId() Method Examples** - In this article, we will show you how to use Session.get(), Session.load() and Session.byId() methods to retrieve an entity from database.

- ✅ **Hibernate - merge() Example** - In this article, we will show you how to use Session.merge() method to merge an entity in Hibernate Application.

- ✅ **Hibernate - Delete or Remove an Entity Example** - In Hibernate, an entity can be removed from a database by calling the `Session.delete()` or `Session.remove()`. Using these methods, we can remove a transient or persistent object from the datastore.

- ✅ **Hibernate - load() Method Example** - In this article, we will create a simple Hibernate application using Java configuration without using hibernate.cfg.xml to demonstrate the usage of the `Session.load()` method.

- ✅ **Hibernate Session.evict() Method Example** - In this short article, we will learn how to remove cache objects from the first level cache using the `Session.evict()` method with an example.

- ✅ **Hibernate Session.clear() Method Example** - In this short article, we will learn how to remove cache objects from the first level cache using the `Session.clear()` method with an example.

- ✅ **Hibernate Transaction Management Tutorial** - In this tutorial, we will learn how to manage transactions in Hibernate applications.

3. Hibernate Mappings

- ✅ **Hibernate - One-to-One Mapping Annotation Example** - In this tutorial, we will learn how to implement step-by-step one-to-one entity mapping using JPA and Hibernate, and the MySQL database.

- ✅ **Hibernate - One to Many Mapping Annotation Example** - In this tutorial, we will learn how to implement step-by-step **one-to-many** entity mapping using JPA, Hibernate 5, and MySQL database.

- ✅ **Hibernate - Many to Many Annotation Mapping Example** - In this tutorial, we will learn how to implement step-by-step **many-to-many** entity mapping using JPA/Hibernate with MySQL database.

- **Hibernate One to Many CRUD Example** - In this tutorial, we will learn how to implement One-to-Many mapping CRUD operations using JPA/Hibernate.

- **Hibernate One-to-One CRUD Example** - - In this tutorial, we will learn how to implement One-to-One mapping CRUD operations using JPA/Hibernate.

- ✅ **Hibernate @PrimaryKeyJoinColumn Annotation | One-to-One Mapping Example** - In this tutorial, we will learn how to implement Hibernate one-to-one mapping with a shared primary key using `@PrimaryKeyJoinColumn` annotation.

4. Inheritance Mapping

- ✅ **Hibernate - Inheritance Mapping** - In this article, we will learn 4 inheritance strategies with examples.

- ✅ **Hibernate/JPA MappedSuperclass Inheritance Example** - The JPA standard specification defines the **@MappedSuperclass** annotation to allow an entity to inherit properties from a base class.

- ✅ **Hibernate/JPA Single Table Inheritance Example** - In this article, we will discuss The single table strategy which maps all entities of the inheritance structure to the same database table.

- ✅ **Hibernate JPA Joined Table Inheritance Example** - In this article, we will discuss The Joined table strategy or table-per-subclass mapping strategy.

- ✅ **Hibernate/JPA Table Per Class Inheritance Example** - In this article, we'll look into Hibernate/JPA table per class inheritance.

5. Hibernate Query Language

- ☑ **Hibernate Query Language Basics** - This article describes the basics of HQL.

- ☑ **Hibernate Query Language INSERT, UPDATE, SELECT, and DELETE Example** - In this article, we will discuss how to create a simple Hibernate Query Language INSERT, UPDATE, SELECT, and DELETE Example.

- ☑ **Hibernate - HQL CRUD Example [Snippets]** - In this article, we will see quick snippets or examples of Hibernate 5 HQL CRUD Example.

- ☑ **Hibernate Named Query Tutorial with Examples** - This tutorial shows you how to use the named query annotations in the hibernate application.

6. Hibernate 5 with Java 8

- ☑ **Hibernate 5 - Persist Java 8 LocalDate, LocalDateTime, and Duration Example** - In this article, we will learn how to persist Java 8 LocalDate, LocalDateTime, and Duration with **Hibernate 5**.

7. Database

- ☑ **Guide to Hibernate Schema Generation** - In this guide, You will learn how Hibernate allows you to generate the database from the entity mappings. In this guide, we will the following points.

- ☑ **Guide to Hibernate Native SQL Queries** - Let's learn more about Hibernate native SQL queries with examples snippets.

- ☑ **Hibernate - Using Stored Procedures for Querying** - Hibernate provides support for queries via stored procedures and functions

- ☑ **Hibernate c3p0 Connection Pool Example** - In this article, we will show how to use c3p0 connection pooling in hibernate applications.

8. Hibernate Annotations

- ☑ **All Hibernate Annotations: Mapping Annotations** - A quick reference to all Hibernate mapping annotations.

- ☑ **All JPA Annotations: Mapping Annotations** - A quick reference to all JPA mapping annotations.

- ☑ **Hibernate Component Mapping Using @Embeddable and @Embedded Annotation** - With Hibernate we can use the `@Embeddable` annotation to mark a class to be eligible as an embeddable class.

9. JPA/Hibernate Association Mapping

- ☑ **JPA/Hibernate One to One Mapping Annotation Example**

- ☑ **JPA/Hibernate One to One Bidirectional Mapping Annotation Example**

- ☑ **JPA Hibernate One to Many Unidirectional Mapping Example**

- ☑ **JPA/Hibernate One to Many Bidirectional Mapping Example**

- ☑ **JPA/Hibernate Many to Many Annotation Mapping Example**

10. Hibernate with In-memory Database

- ☑ **Hibernate H2 Database Example Tutorial**

- ☑ **Hibernate HSQLDB In-Memory Database Example Tutorial**

11. Hibernate Interview Questions and Answers

- ☑ **Hibernate - Difference Between save and persist Method with an Example**

- ☑ **Hibernate - Difference Between save and saveOrUpdate Method with an Example**

- ☑ **Hibernate - Difference Between get and load Method with an Example**

12. Web app using JSP, Servlet, MySQL, and Hibernate

- ☑ **JSP Servlet Hibernate CRUD Example** **// Web application**

- ☑ **JSP Servlet Hibernate Web Application** **// Web application**

- ☑ **Hibernate Registration Form Example with JSP, Servlet, MySQL** **// Web application**

- ☑ **Login Form using JSP + Servlet + Hibernate + MySQL Example** **// Web application**

13. Misc

- ☑ **Hibernate Configurations Quick References [Snippets]** - This post is a quick reference to Hibernate XML or Java-based configuration.

- ☑ **JPA 2 with Hibernate 5 Bootstrapping Example** - In this post, we will show you how to create or configure a simple JPA application with Hibernate.

- ☑ **Hibernate Session Interface Methods with Examples** - In this post, we will discuss important Session interface methods to perform database operations in Java Hibernate applications.

- ☑ **Hibernate 5 - Create, Read, Update and Delete (CRUD) Operations Example** - In this article, we will discuss how to use **Hibernate 5** to perform CRUD operations against the database. In this example, we are using `MySQL` as

a database.

- ✅ **Hibernate First Level Cache with Example** - In this post, we will understand the hibernate of the first-level cache with an example.

- **Hibernate Example with MySQL Database** - In this tutorial, we will learn how how to create Hibernate project that talks with MySQL database.

14. GitHub Repository

The complete source code of this tutorial is available on my **GitHub** Repository

- **https://github.com/RameshMF/Hibernate-ORM-Tutorials**

15. Hibernate Video Tutorials on my YouTube Channel

- **Hibernate Framework Basics and Architecture**
- **Hibernate Example with MySQL, Maven, and Eclipse**
- **Hibernate XML Config with Maven + Eclipse + MySQL**
- **Hibernate CRUD Example in Eclipse IDE**
- **Hibernate First Level Cache with Example**
- **Hibernate HQL Tutorial**
- **Hibernate Transaction Management Tutorial**
- **Hibernate - c3p0 Connection Pool**
- **Hibernate One to One Mapping Annotation**
- **Hibernate One to Many Mapping Annotation**
- **Hibernate Many to Many Mapping Annotation**
- **JSP Servlet Hibernate CRUD Example**
- **Hibernate H2 Database Example Tutorial**
- **Difference Between Hibernate and Spring Data JPA**
- **Difference Between JPA and Hibernate**
- **Hibernate Create, Read, Update and Delete (CRUD) Operations**
- **Hibernate Tutorial for Beginners**
- **Hibernate - save() vs persist()**
- **Hibernate - save() vs saveOrUpdate()**
- **Hibernate get vs load**
- **JSP Servlet Hibernate Database Web App**
- **JSP Servlet Hibernate CRUD Database Tutorial**
- **Login Application using JSP + Servlet + Hibernate**