Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA MODULE GUIDE

Hibernate

Purchase Order Model

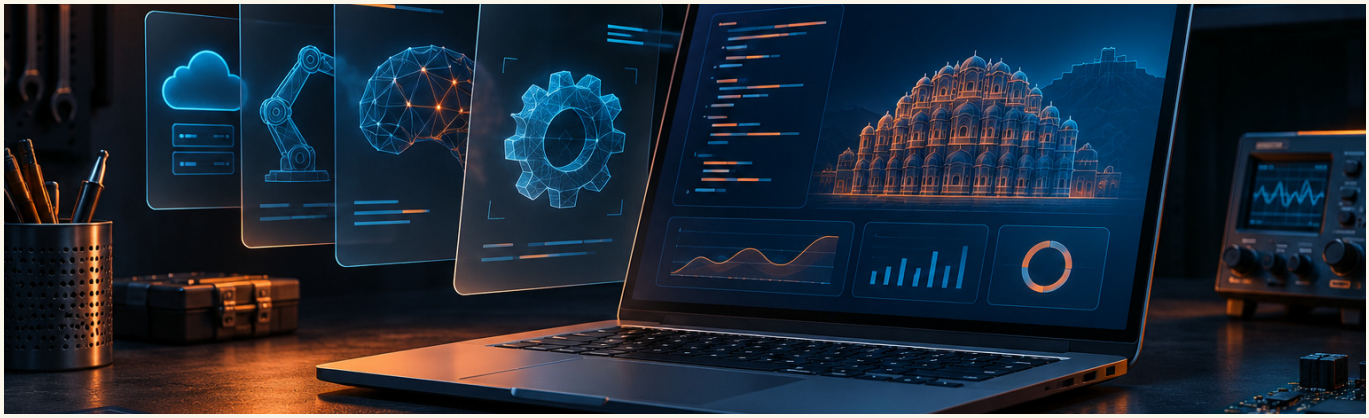


INCLUDED IN

Spring Framework & Hibernate **₹8,000**

Hibernate

Core concepts



01

ORM fundamentals, configuration and entity mapping

02

Identity, associations, cascades and lifecycles

03

Sessions, transactions and persistence context

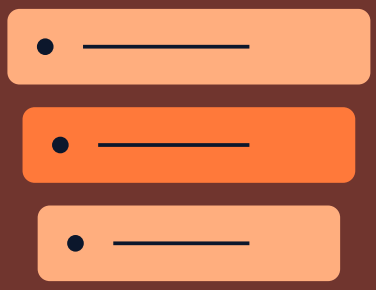
Model the domain

Identify data, actions and boundaries before writing the first class.

Hibernate

Applied skills

- **Model**
- **Execute**
- **Verify result**



04 JPQL/HQL queries and fetch strategies

05 Lazy loading, N+1 queries and caching basics

06 Migration-friendly schemas and integration tests

PROJECT DELIVERABLES

A runnable Java project, test results and notes on design and error handling.

Hibernate

Portfolio project

Purchase Order Model

Map orders and line items, persist transactions and verify query efficiency on a sample dataset.



Model the domain

Identify data, actions and boundaries before writing the first class.

Check a failure

Write a test for a rejected operation and confirm the data stays consistent.

A runnable Java project, test results and notes on design and error handling.

Hibernate

Included training

INCLUDED IN

Spring Framework & Hibernate

₹8,000 module fee

This topic is covered in the Spring Framework & Hibernate module.

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SCAN FOR MAP

View course details online

Hibernate

Course content

MODULES 01–02

01

Lessons & practice

- ORM fundamentals
- Configuration
- Entity mapping

HANDS-ON

Annotate a simple entity and inspect the schema mapping in a sample database.

02

Lessons & practice

- Identity
- Associations
- Cascades
- Lifecycles

HANDS-ON

Model a relationship and compare cascade and entity lifecycle behaviour.

Hibernate

Course content

MODULES 03–04

03

Lessons & practice

- Sessions
- Transactions
- Persistence context

HANDS-ON Trace a transaction and verify rollback after a failed update.

04

Lessons & practice

- JPQL/HQL queries
- Fetch strategies

HANDS-ON Write a JPQL query and compare lazy and explicit fetching for a relationship.

Hibernate

Course content

MODULES 05–06

05

Lessons & practice

- Lazy loading
- N+1 queries
- Caching basics

HANDS-ON — Measure the queries emitted by a list page and reduce an N+1 pattern.

06

Lessons & practice

- Migration-friendly schemas
- Integration tests

HANDS-ON — Run persistence tests through a migration and verify an existing record remains readable.