Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

JAVA

JDBC

SAMPLE PROJECT

Course Registration DAO



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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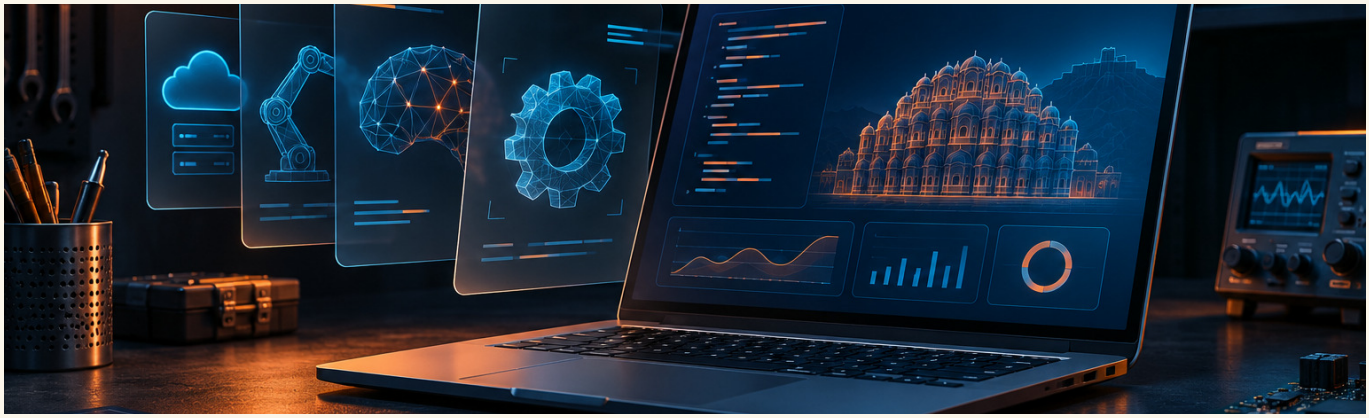
Core concepts



01 Drivers, connections and database setup

02 PreparedStatement and typed parameter binding

03 ResultSet mapping and CRUD methods

Model the domain

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

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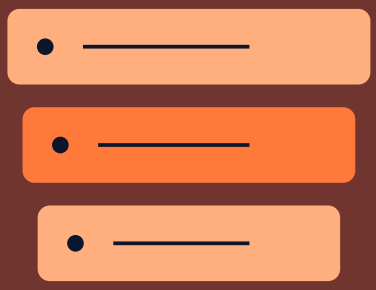
Applied skills

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



04 Transactions, rollback and batching

05 Data sources, pooling and resource management

06 DAO design, integration tests and SQL errors

PROJECT DELIVERABLES

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

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Portfolio project

Course Registration DAO

Build repository methods for adding and finding enrolments with a transactional seat update.



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.

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Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

+91 70146 92039

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122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

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Course content

MODULES 01–02

01

Lessons & practice

- Drivers
- Connections
- Database setup

HANDS-ON

Configure a JDBC connection and report connection failures without exposing credentials.

02

Lessons & practice

- PreparedStatement
- Typed parameter binding

HANDS-ON

Bind values with PreparedStatement and test one insert and one filtered query.

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MODULES 03–04

03

Lessons & practice

- ResultSet mapping
- CRUD methods

HANDS-ON Map ResultSet rows to Java objects and build a record update method.

04

Lessons & practice

- Transactions
- Rollback
- Batching

HANDS-ON Perform a batch transaction and demonstrate rollback when one change fails.

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MODULES 05–06

05

Lessons & practice

- Data sources
- Pooling
- Resource management

HANDS-ON

Acquire connections from a data source and close resources after each operation.

06

Lessons & practice

- DAO design
- Integration tests
- SQL errors

HANDS-ON

Test a DAO against a practice database and distinguish validation errors from SQL failures.