**Hands-on 2: Hibernate XML Configuration Implementation**

🔹 Key Concepts

* Hibernate uses **.hbm.xml** mapping files and **hibernate.cfg.xml** configuration to map Java objects to database tables.

🔹 **hibernate.cfg.xml** includes:

* **hibernate.dialect** – SQL dialect (e.g., **MySQLDialect**)
* **hibernate.connection.driver\_class** – JDBC driver (e.g., **com.mysql.cj.jdbc.Driver**)
* **hibernate.connection.url** – Database connection URL (e.g., jdbc:mysql://localhost:3306/testdb)
* **hibernate.connection.username** – DB username
* **hibernate.connection.password** – DB password
* **mapping resource="Employee.hbm.xml"** – Specifies mapping file

🔹 **Employee.hbm.xml** includes:

* **<class>** tag maps class to DB table
* **<id>** defines primary key field
* **<property>** maps class fields to DB columns

🔹 Pros:

* Clear separation of mapping from code
* Good for legacy applications

🔹 Cons:

* Verbose, more boilerplate
* Maintenance is harder than annotation-based mapping