Intro to spring data jpa

1. JPA based version of data repo access
2. Spring data – implementations for mongodb, redis, etc etc
3. Spring data jpa – typically used for accessing sql based relational databases

Spring data jpa – is an abstraction layer built on top of JPA

JPA – java persistence api

Hibernate is an implementation of JPA

Hibernate – object relational mapping tool

ORMs map data between the relational and object oriented paradigms

Leakage – one paradigm leaking into the other model

Eg. The ID value – object model will need the ID even though it might not have use for it

Hibernate performs database operations using SQL

Java database connectivity JDBC

JDBC is an api 🡪 JDBC driver is the implementation

Database 🡪 sql 🡪 jdbc (db driver)🡪 hibernate (JPA) 🡪 spring data jpa

Spring data jpa implements the repository pattern!

JPA is not good for BATCH OPERATIONS

If you are performing batch operations, you should consider using sql/jdbc