

Agenda.

→ Query Methods

- Declared Queries
- HQ2
- SQ2.

→ Representing Cardinalities.

→ Mapped By
→ Cascading
Base

→ Fetch Types $\begin{cases} \text{Eager} \\ \text{Lazy} \end{cases}$

→ Schema Versioning.

JPA Repository

find by 2d (-) \Rightarrow

Select * from products
where title like '%iphone%'

<https://docs.spring.io/spring-data/jpa/reference/repositories/query-methods-details.html>

Declared Queries.

- ⇒ No need to write SQL queries on our own.
- ⇒ Just write the method name & ORM will convert that method name into corresponding query.

Fetch Type.

Class Product {

id

title

desc

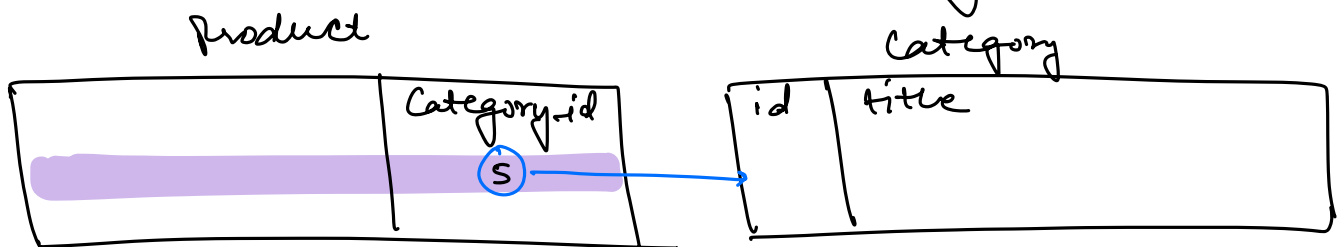
==

Category

↓ EAGER.

3

Product p = ProductRepo.findById(10)



Left Join

Class Category {

id

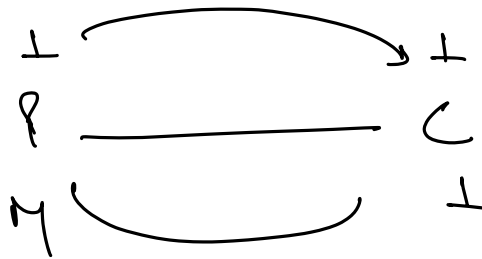
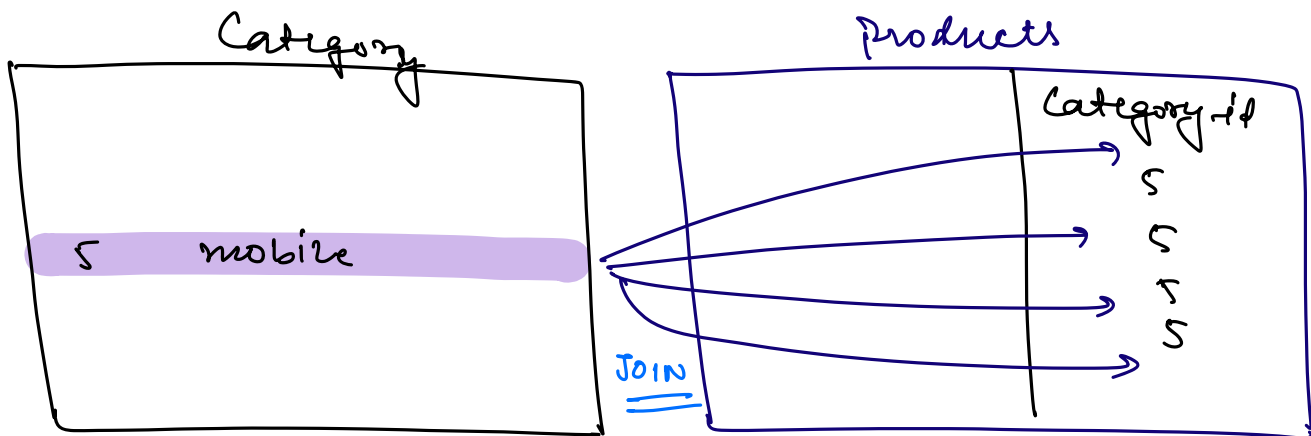
title

List<Product> products

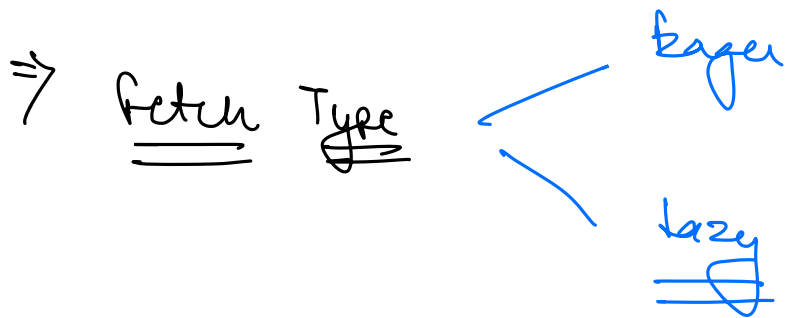
→ lazy

3

Category c = categoryRepository.findById(5)



When a class has an attr of another class then to fetch the details of other attrs, JOIN operation needs to be performed.



Eager : Fetch the details of inner object along with outer object.

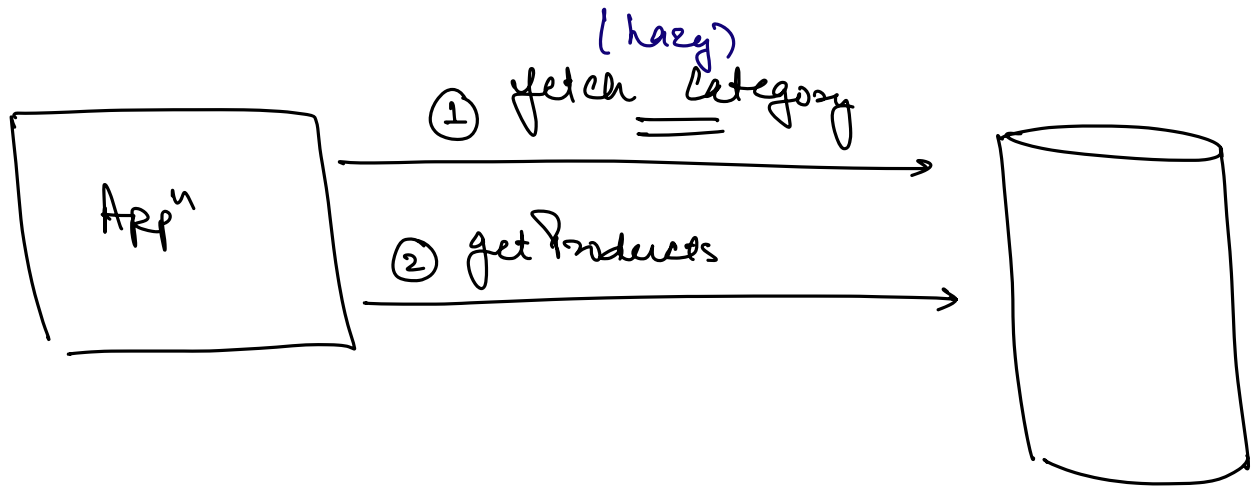
Lazy : Don't fetch the details of inner object along with the outer object.

Only fetch when required.

Category c = CategoryRepository.findById(10)

====>

List<Product> products = c. getProducts()



⇒ By default, all the attrs are fetched EAGERLY except collections.

⇒ A <
 B b; ⇒ EAGER.
3

⇒ JOIN.

X <

List<Y> ⇒ LAZY

3

HQL & SQL



Hibernate Query Language.

SQL + OOPS.

⇒ We don't have complete control over the declared query.

⇒ Performance.

⇒ If we have usecase of writing custom queries, we can write using HQL / SQL.