Bài 14: ORM Basic

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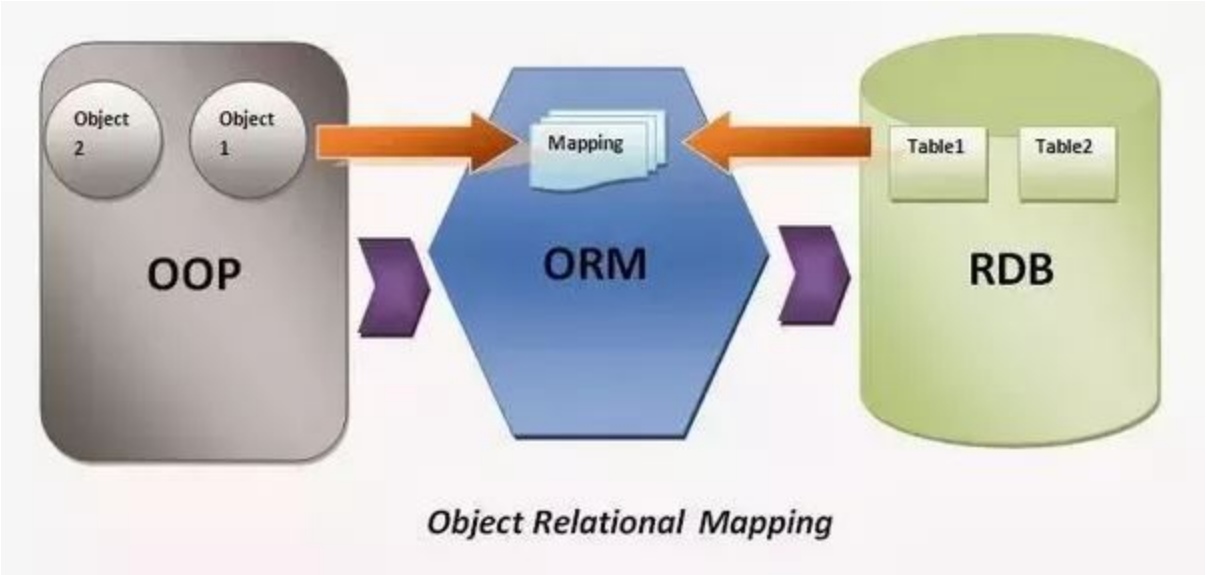
ORM?



Object Relational Mapping

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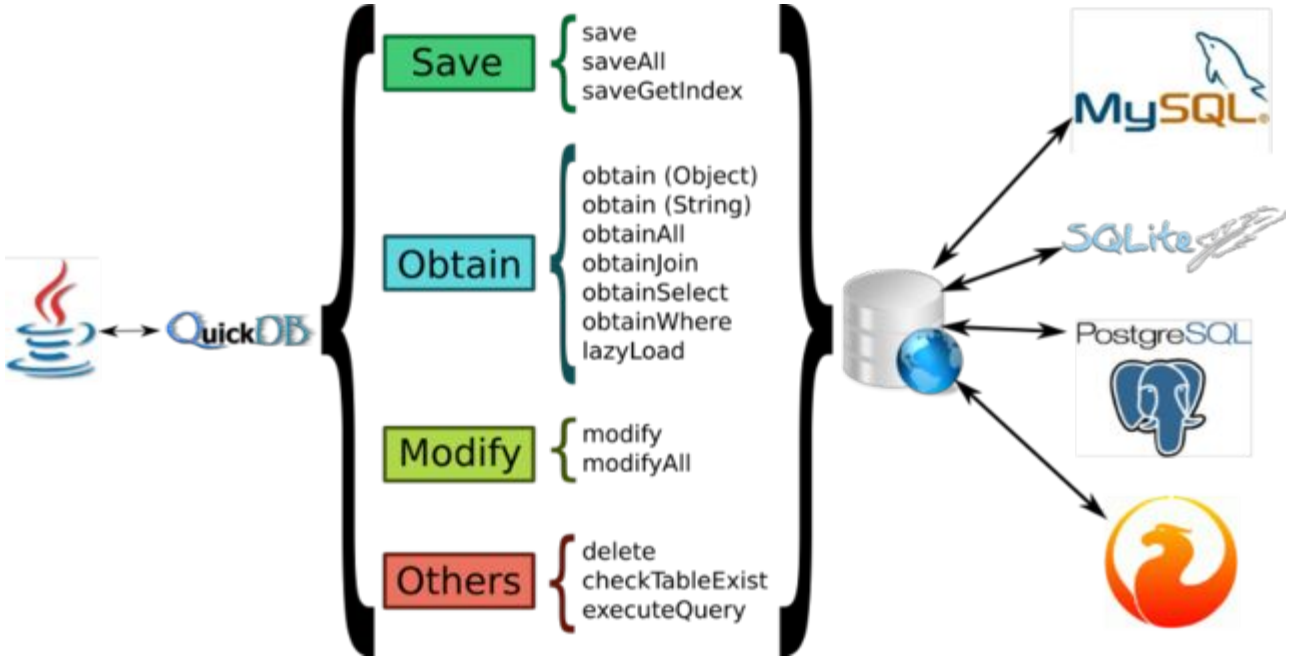

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ORM framework

- Java
  - Hibernate
  - Spring Data JPA
- .NET
  - LLBLGen
  - Entity framework
- PHP
  - Doctrine
  - Propel
  - Eloquent

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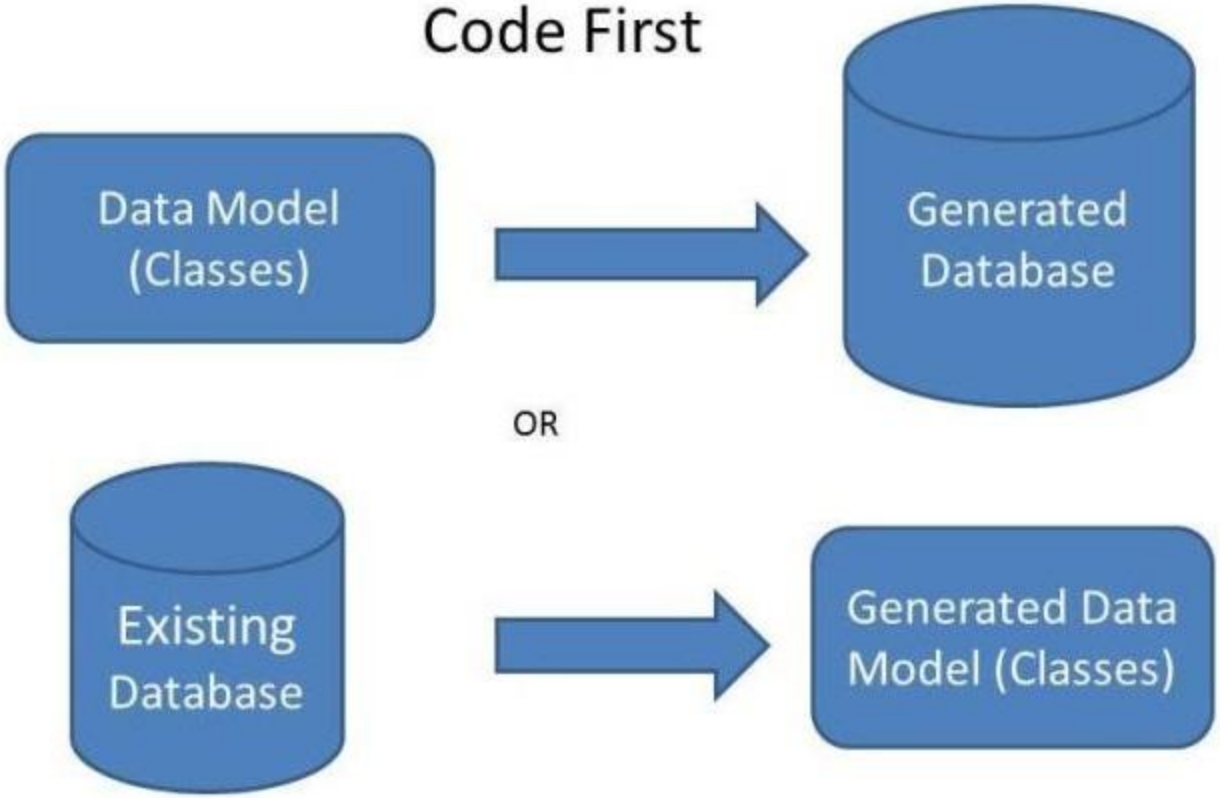
Code first vs Database first?



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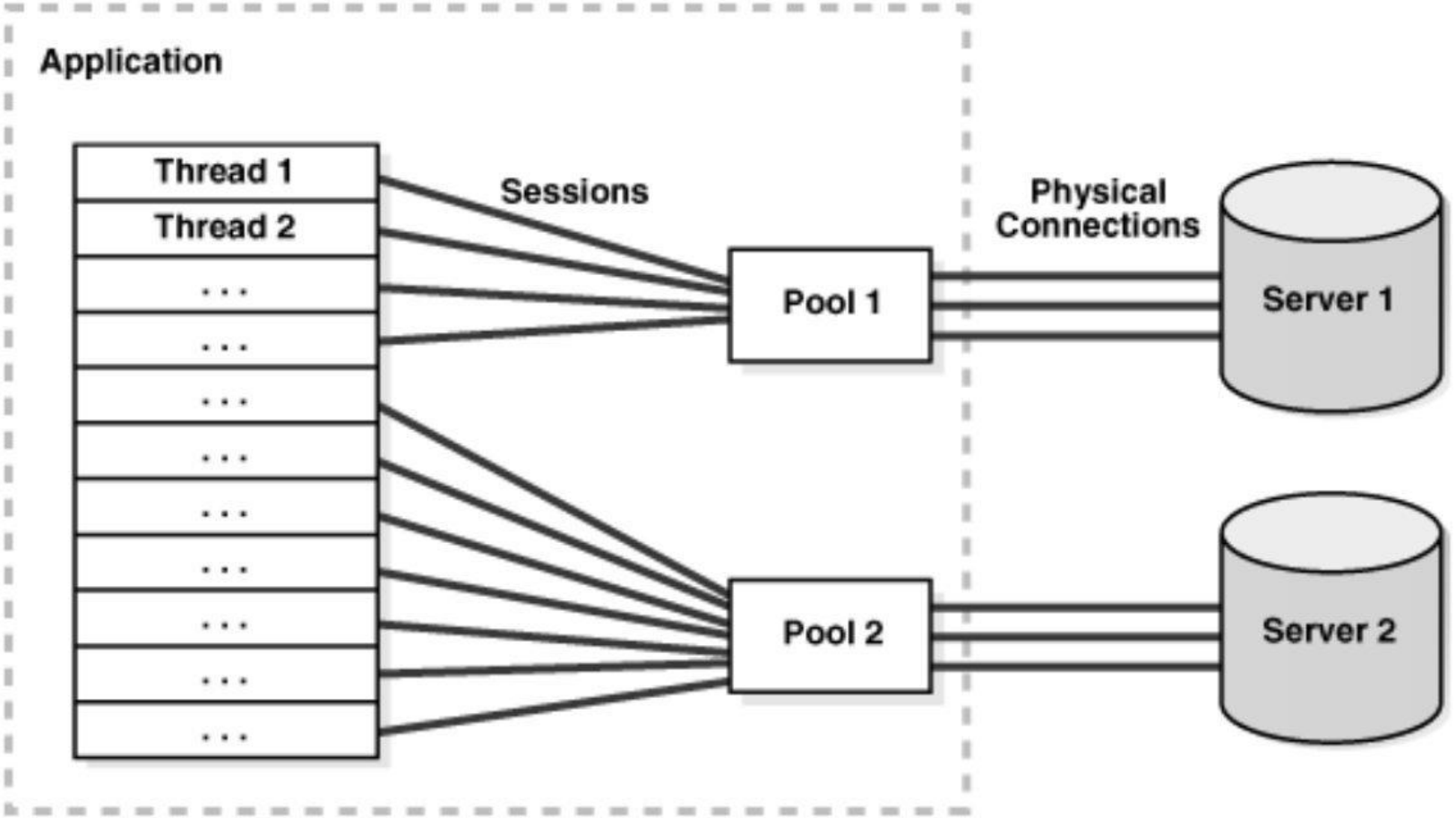
Connection pooling



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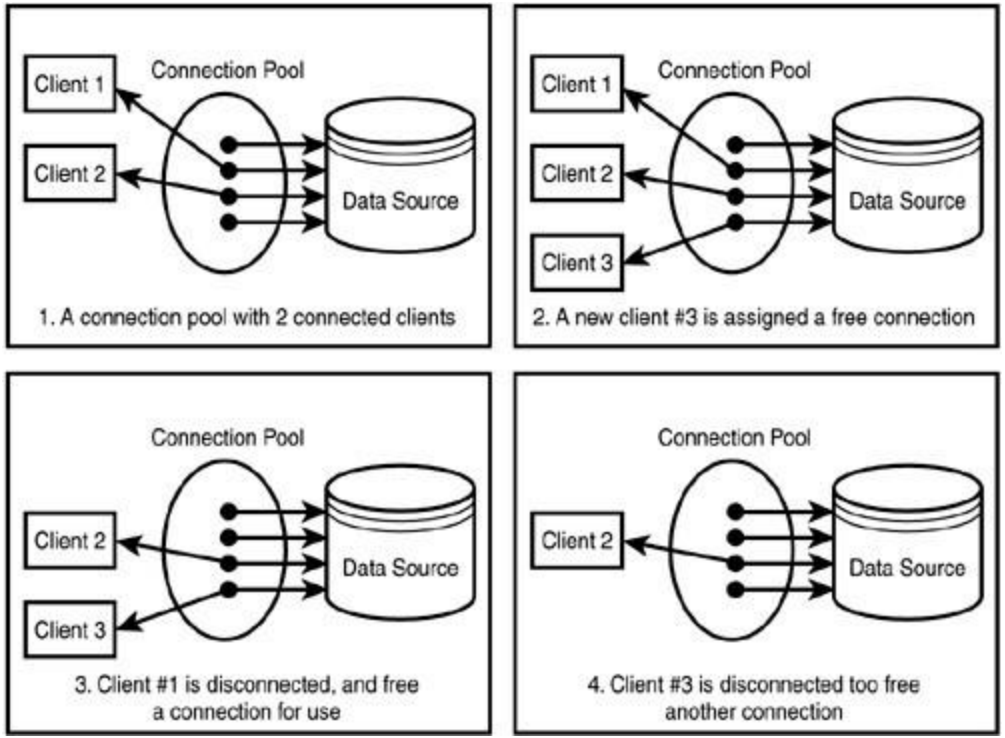

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Q&A

Task

- Build an application use Spring Framework 5.x (Sring boot 2.x)
  - Business requirements:
    - Manage: Type (id, name), Category (id, name, typeId), Item (id, name), ItemCategory(itemId, categoryId)
    - Allow
      - List<Category> findByType(String type. int pageIndex, int pageSize) - find categories by type name
      - List<Item> findByCategory(String category. int pageIndex, int pageSize) - find items by category's name
      - void updateCategory(Long id, String name)
  - Technical requirement
    - Use Spring Data Jpa