10. ORM, Hibernate

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- ☑ 1.Hibernate Configuration
- ☑ 2.Persistent Classes
- ☑ 3.Annotations
- ☑ 4.Persistence Life Cycle
- ☑ 5.Mapping and Association
- ☑ 6.Hibernate Validator
- ☑ 7.HQL

Examples
1. Crud operations
2. @ManyToOne, @OneToMany
3. Life cycle example
4. Hibernate validator annotations(@NotNull, @NotEmpty, @Size)
5. HQL queries

```
docker run --name hibernate_intro_db -e
POSTGRES_PASSWORD=postgres -e
POSTGRES_USERNAME=postgres -e
POSTGRES_DB=hibernate_intro_db -p 5439:5432 -d postgres
```

```
<mappingclass="main.java.entity.Student"/>
<mappingclass="main.java.entity.University"/>
```

Architecture

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Core objects of Hibernate Framework

Internal API Used by Hibernate