**Hibernate JPA**

**Both are orm**

Annotation same.

hibernate.cfg.xml persistence.xml

database details

drivername, url, username, password, mapping file and dialect class.

SessionFactory EntityManagerFactory

Session EntityManager

Transaction EntityTransaction

save() persist()

delete() remove()

update() merge()

find() get()

JPA project

If we want to retrieve more than one records in JPA we need to use JPQL like HQL.

select emp from Employee emp HQL or JPQL Employee is entity class name and emp is object.

Product Orders one to many relationship

Employee skillset one to many relationship

Id Name salary skillset

1 Steven 34000 Java, Python

Employee table

PK

Id Name Salary

100 Steven 34000

create table employee(id int primary key,name varchar(20), salary float);

Skillset table

PK FK

Ssid SName esid

1 Java 100

2 Python 100

create table skillset(ssid int primary key auto\_increment,sname varchar(30), esid int, foreign key(esid) references employee(id));

Foreign key can allow null value.

In Database using PK and FK we connected employee and skillset table.