



CS544 EA

Hibernate

JPQL: Bulk Operations

Bulk Update and Delete

- JQPL also supports bulk update and delete
 - Similar to SQL DML features

Bulk update:

```
Query query = em.createQuery("update Account set balance = balance - :fee");  
query.setParameter("fee", 5.0);  
int updated = query.executeUpdate();
```

Bulk delete:

```
Query query = em.createQuery("delete Book where publish_date < :date");  
DateFormat df = DateFormat.getDateInstance();  
query.setParameter("date", df.parse("01/01/2010"), TemporalType.DATE);  
int deleted = query.executeUpdate();
```

Import.sql

- Hibernate will **automatically execute** import.sql
 - Placed on the classpath (src/main/resources)
 - Typically contains INSERT statements
- You can also specify other files to execute
 - Inside persistence.xml

```
<property name="hibernate.hbm2ddl.import_files" value="test.sql" />
```