Hibernate Design

.java

ORM
1. JDBC
2. JTA
3. JNDI

object

JDBC

[insert into table values(....)]

primtive data

Internal Mapping for ORM

Java Class

class Employee
{
    int empId;

    String empName;

    double empSal;
}

10
sachin
100.5

Mapping

DB Table

empTab

| eid | ename | esal |

| 10 | sachin | 100.5 |

---

in.ineuron

+ Employee

- empId: int
- empName:String
- empSal :double

MAPPING

empTab

pk

| eid | ename | esal |

---

in.ineuron

+ Product

- prodId: int
- prodCode: String
- prodCost: double

MAPPING

empTab

pk

| pid | pcode | pcost |
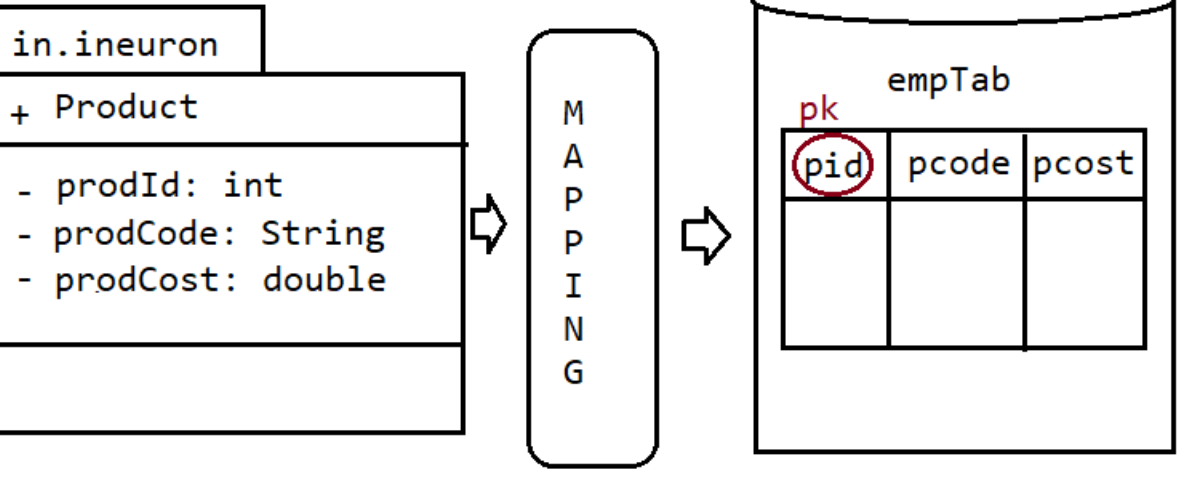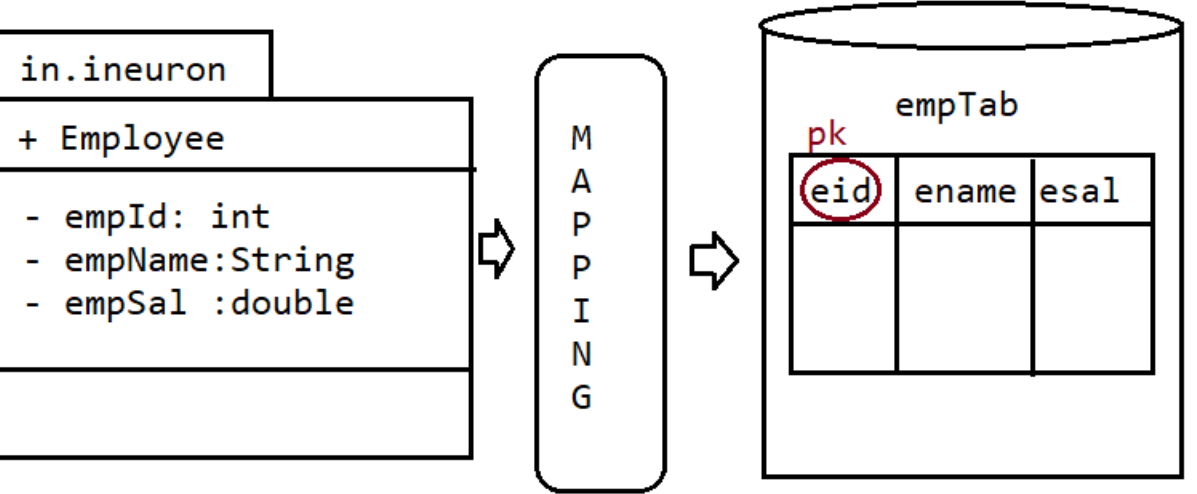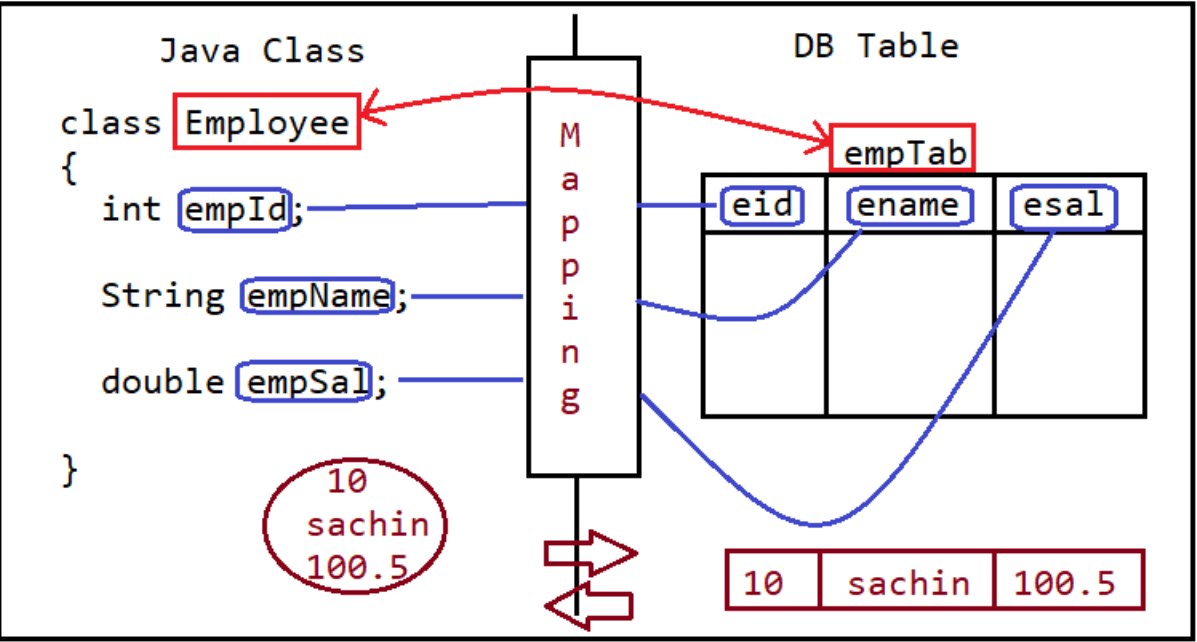
Hibernate Architecture

Configuration file
(hbm.cfg.xml)
1. dbinformation
2. mapping

2. configure()

1. Configuration object

3.buildSessionFactory()

SessionFactory

4. openSession()

8.close session

Transaction   non-select   session

5.beginTransaction()

6.operation   commit/rollback
7.
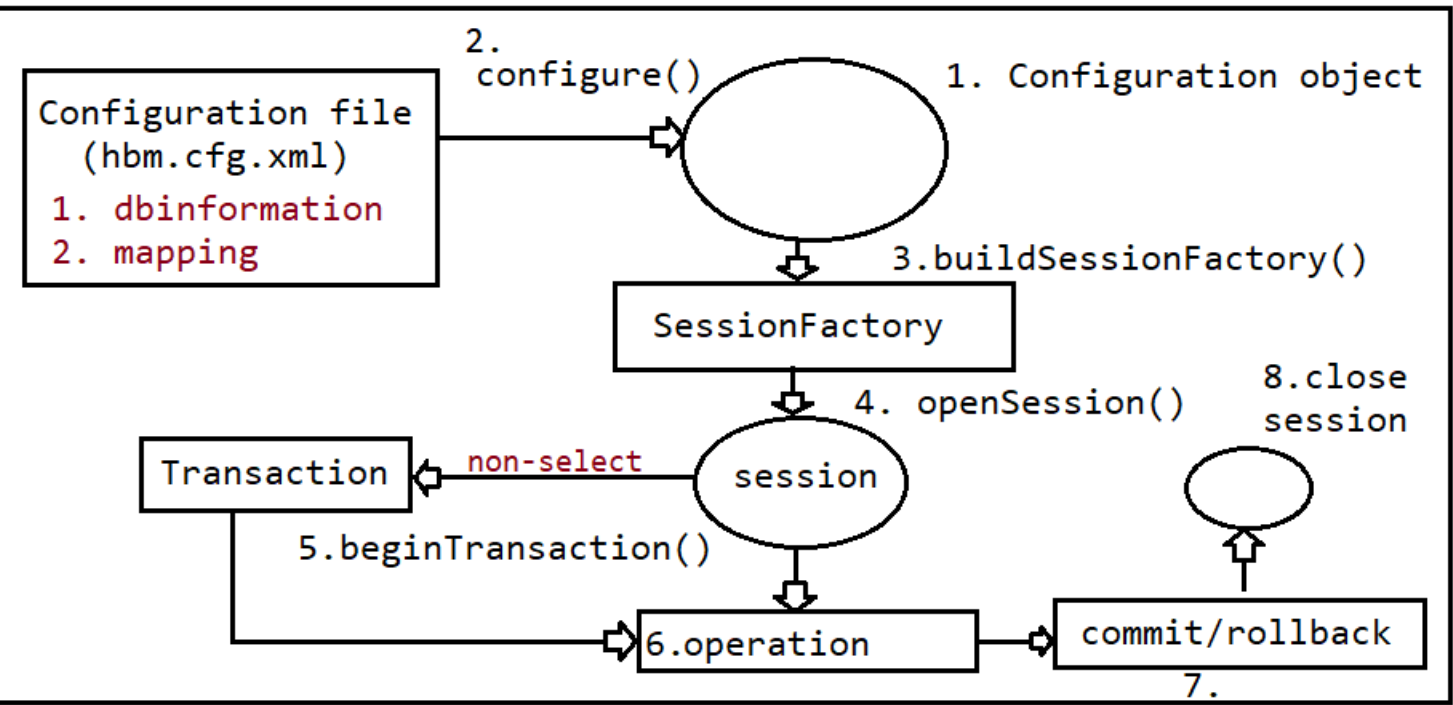
HBSaveOperation
  JRE System Library [jdk1.8.0_202]
  src
    in.ineuron.main
      TestApp.java
    in.ineuron.Model
      Employee.java
      hibernate.cfg.xml
  hibernate
  mysql

Internal flow of objects in hibernate

configuration object

cfg.buildSessionFactory()

hbm.cfg.xml
***.hbm.xml

SessionFactory object

generators   or-mapping   cache

con pool   TXTMgnt   dialect

Session Object

or-mapping   con

or-mapping   dialect   L1-cache

Gives instruction using entity object

ORM (hibernate)

JDBC

txt.commit()

save(employee)

insert into

empTab(eid,ename,esal) values(?,?,?);

using setXXX() by referring to mapping details

empdId = 10

empName = sachin

empSal = 4534.5

eid	ename	esal
10	sachin	4534.5