



How to perform persistence operation for the above entity classes onto the table model?

1. PERSIST/SAVE

1.1 Order

order should be persisted directly into the order table

1.2 Restaurant

Restaurant entity object has List<Order> orders as an associated object, stating all the orders belongs to the Restaurant. So preserve the association relationship in the database tables, we need to store per each order in the list the Restaurant Object restaurantNo (pk) as an foreign key in order table. along with that we need to store the list index value also to preserve the insertion order of the orders.

2. FETCH/GET

2.1 Order

directly query the data from order table

2.2 Restaurant

Inorder to fetch the associated objects List<Order> orders, we need to query the order table with restaurantNo as foreign key that returns all the orders pertaining to the Restaurant. while querying we need to add sortBy or orderBy column as order\_index to retrieve and store in List object in the insertion order

In-Short: Since it is an one-to-many relationship, the pk of our table should be persisted or joined with the fk of another table to perform operations on the association

Restaurant.hbm.xml

```
<class name="Restaurant" table="restaurant">
  <id name="restaurantNo" column="restaurant_no">
    <generator class="increment"/>
  </id>
  <property name="restaurantName" column="restaurant_nm"/>
  ...
  <list name="orders">
    <key column="restaurant_no" not-null = "false"/>
    <one-to-many class="Order"/>
    <list-index column="order_index" type="int"/>
  </list>
</class>
```

For eg.. if the association relationship exists from Order to the Restaurant, how to map the relationship (unidirectional only)

Order.hbm.xml

```
-----
<class name="Order" table="order">
  <id name="orderNo" column="order_no">
    <generator class="increment"/>
  </id>
  <property name="orderedDate" column="ordered_dt"/>
  ...
  <many-to-one name="restaurant">
    <column name="restaurant_no"/>
  </many-to-one>
</class>
```