**Disadvantages of HQL:-**

a.HQL is useful only for doing DML Operations. But It is not useful for doing DDL operations.

b.HQL is not supporting to invoking stored procedures and functions from the Hibernate Application.

To overcome above problems, Hibernate provided separate feature that is “native SQL”.

1.There are two types of Queries in Native SQL:-

1. Entity SQL Queries.
2. Scalar SQL Queries.

**1.Entity SQL Queries:-**  The Entity SQL query includes the “ \* ” . It returns results in the form of “Entity Objects”.

**Ex:-**  select \* from emp;

Entity: Employee.

The results of this sql query will be in the form of Emploee entities.

We should provide information to hibernate s/w . The information is that “in which Entity object, result should be generated”. This information is given by

Public void addEntity(Domain ClassName.class).

Ex:- addEntity(Employee.class);

**2.Scalar SQL Queries:-**  The Scalar SQL queries have column names instead of “\*”. It returns results in the form of “Object arrays”. Each object represents one record. All objects are stored in Object[].

Ex:- select eno,ename,sal from emp;

Returns : Object[]

Note:- In Native SQL, The developer prepares queries using table name and table provided column names directly.

**2.How to Use Native SQL in Hibernate Application:**

1. Create SQL Query object for database dependent sql query using following method.



This method exists in Session Interface.

1. Execute the SQL Query using one of the following methods:

a.list()

b.iterate()

c. scroll()

d.uniqueResultSet();

e. executeUpdate().

1. **Parameters:-**  we can provide the parameters to SQL query. There are two types of parameters in native SQL. Parameter index starts from “0”.

**3.1.Positional parameters(?)**

The following method is used to value in positional parameter.

SQLQuery object.setXXX(index,value);

Where xxx is java data type name

**3.2.Named Parameters(:parameterName)**

The following method is used to value in positional parameter.

SQLQuery object.setXXX(“name of parameter”,value);

Where xxx is java data type name.