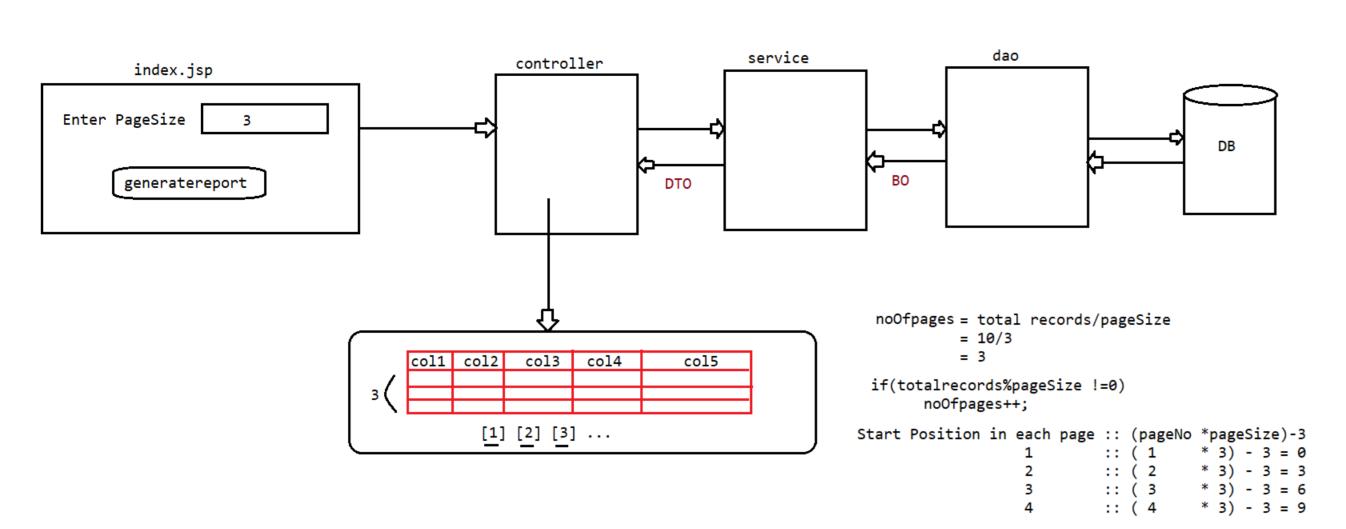
Pagination 1111 FamilyHealth monthly HDFC 23 35 24 page-1 1 1234 JeevanAnand quarterly Prudential 2211 JeevanJyothi ICICI monthly monthly LIC 2233 JeevanBhima 24 page-2 3322 JeevanSuraksha yearly 20 Kotak 5555 RetirementFund monthly 6666 SBI LIFE quarterly 7777 JeevanLabh monthly TATA page-3 35 Bajaj



```
_ _ _ _ _ _ _ _ _ _
It is a named, parameterized global condition that can be enabled or disabled on
session object.
 This concept is very useful to execute SQLQuery without implicit condition.
 use cases :The blocked, closed account should not participate in any Ouery
execution.
     note: In real time application, blocked/closed account would not be deleted
from the table rather status would be marked as closed/blocked.
             This is called as "SoftDeletion".
BankAccount.java
@Entity
@Table(name = "bankaccount")
@FilterDef(name = "FILTER_BANKACCOUNT_STATUS", parameters = {
                         @ParamDef(type = "string", name = "accType1"),
                         @ParamDef(type = "string", name = "accType2")
                   }
@Filter(name = "FILTER_BANKACCOUNT_STATUS", condition = "STATUS NOT
IN(:accType1,:accType2)")
public class BankAccount implements Serializable {
}
SelectApp.java
_____
Filter filter = session.enableFilter("FILTER_BANKACCOUNT_STATUS");
    filter.setParameter("accType1", "blocked");
    filter.setParameter("accType2", "closed");
Ouery<BankAccount> query = session.createQuery("FROM in.ineuron.entity.BankAccount
WHERE balance>=:amt");
      query.setParameter("amt", 2000.0f);
List<BankAccount> resultList = query.getResultList();
      resultList.forEach(System.out::println);
      System.out.println();
session.disableFilter("FILTER_BANKACCOUNT_STATUS");
Query<BankAccount> query1 = session.createQuery("FROM in.ineuron.entity.BankAccount
WHERE balance>=:amt");
            query1.setParameter("amt", 2000.0f);
List<BankAccount> result = query1.getResultList();
      result.forEach(System.out::println);
Soft Deletion in hibernate
It is not about deleting the record from the table, it is all about marking the
record from DB table as deleted.
When we close the account in the bank, they would not actually delete the record,
rather the record would be marked as "blocked".
When we perform soft deletion, for a call of session.delete() 'delete query' should
not be executed rather 'update query' should be executed
```

HBFilters

```
To do so we need to configure as shown below
a.
@Entity
@Table(name = "bankaccount")
@SOLDelete(sql = "UPDATE bankaccount SET status='closed' WHERE accno=?")
@Where(clause = "STATUS NOT IN ('blocked', 'closed')")
public class BankAccount implements Serializable {
}
b.
session = HibernateUtil.getSession();
transaction = session.beginTransaction();
BankAccount account = new BankAccount();
account.setAccno(6);
session.delete(account);====> update query will be generated..
Query<BankAccount> query = session.createQuery("From
in.ineuron.entity.BankAccount");
List<BankAccount> accounts = query.getResultList();
accounts.forEach(System.out::println);
Output
======
select
        bankaccoun0_.accno as accno1_0_,
        bankaccoun0_.balance as balance2_0_,
        bankaccoun0_.holderName as holderna3_0_,
        bankaccoun0_.status as status4_0_
    from
        bankaccount bankaccoun0_
    where
        (
            bankaccoun0_.STATUS NOT IN (
                'blocked','closed'
BankAccount [accno=7, holderName=dhoni, balance=44000.0, status=active]
d.
Query query = session.createQuery("UPDATE in.ineuron.model.BankAccount set
status='closed' where accno=:no");
query.setParameter("no", 1234);
rowCount = query.executeUpdate();
In the above case, if we keep delete query, then by referring to entity update query
won't be executed.
so if we use HQL, NativeSQL, QBC logics then we need to explicity write "update sql
query" for soft deletion.
Note: while working with @SQLXXXX annotations/custom gueries execution takes place
only for single row operation,
```

Pagination