Definition of stored procedures

A stored procedure is a segment of declarative SQL statements stored inside the database catalog.  A stored procedure can be invoked by [triggers](http://www.mysqltutorial.org/mysql-triggers.aspx), other stored procedures or applications such as Java, C#, PHP, etc.

A stored procedure that calls itself is known as a recursive stored procedure.

## advantages

* Typically stored procedures help **increase the performance** of the applications. Once created, stored procedures are compiled and stored in the database.
* Stored procedures helps **reduce the traffic** between application and database server because instead of sending multiple lengthy SQL statements, the application has to send only name and parameters of the stored procedure.
* Stored procedures are reusable and transparent to any applications.
* Stored procedures are secure. Database administrator can grant appropriate permissions to applications that access stored procedures in the database without giving any permission on the underlying database tables.

Steps to call

Store Procedure From Hibernate :

1. Create Store Procedure in database called **getOrderDetails**
2. On top of Entity bean class put

@NamedNativeQuery(

name = "**call\_GetORDERDetails\_procedure**", //while calling storeProc from service class use this name

query = "CALL **getOrderDetails** (:orderId)", //actual procedure name in db

resultClass = OrderBean.**class**)

1. In service class put below query

Query query = session.getNamedQuery("**call\_ GetORDERDetails \_procedure**")

.setParameter("orderId ", orderId);