Callable Statement

- It is a platform to execute SQL queries.
- This is a child interface of PreparedStatement present in java.sql.package.
- CallableStatement supports stored procedure concept.
- CallableStatement extends PreparedStatement.
- prepareCall() method used to create callable statement

preapareCall() :

- It is a method of Connection interface.

public CallableStatement prepareCall(String query)

Stored procedure:

- It is a set of frequently executing precompiled queries stored in database.

Difference between Stored procedure and Function

Stored Procedure	Function
- It must not have the return type - It may return 0 or more values	- It must have the return type - It may return only one value

Batch file: -

- It is a set of Queries which are going to execute at one shot
- It only works for DML type of queries
- In case of multiple (DML) queries instead of executing the query, we push the query into batch file, and once every query is pushed then we execute the batch file.

addBatch(): -

This method is used for pushing the query to batch file

Public void addBatch (String query) → Statement

Public void addBatch () → PreparedStatement

executeBatch(): -

- It is a method of Statement interface
- This mehod used for executing batch file.
  Public int[] executeBatch();
  int[] → each element of the array represent number of rows got affected by each query in the batch file.

- Load the driver class
- Create connection
- Create statement
- Add query in the batch
- Execute batch
- Close connection

Close the Costly resources: -

Here we close the costly resources in the finally block

First we have to close ResultSet then we have to close statement later we will Close the connection.