

Jdbc 3.0 Features

The important features of JDBC API 3.0 are as follows:

- **Jdbc RowSet** We have done the great discussion on JdbcRowSet in the previous page.
- **Savepoint in transaction management** Now you are able to create, rollback and release the savepoint by `Connection.setSavepoint()`, `Connection.rollback(Savepoint svpt)` and `Connection.releaseSavepoint(Savepoint svpt)` methods.
- **Statement and ResultSet Caching for Connection Pooling** Now you are able to reuse the statement and result set because jdbc 3 provides you the facility of statement caching and result set caching.
- **Switching between Global and Local Transactions**
- **Retrieval of auto generated keys** Now you are able to get the auto generated keys by the method `getGeneratedKeys()`.

Jdbc 4.0 features:

- **Automatic Loading of Driver class** You don't need to write `Class.forName()` now because it is loaded by default since jdbc4.
- **Subclasses of SQLException** Jdbc 4 provides new subclasses of `SQLException` class for better readability and handling.
- **New methods** There are many new methods introduced in `Connection`, `PreparedStatement`, `CallableStatement`, `ResultSet` etc.
- **Improved DataSource** Now data source implementation is improved.
- **Event Handling support in Statement for Connection Pooling** Now `Connection Pooling` can listen statement error and statement closing events.