



CORE JAVA





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JDBC 4.0 API

JDBC 4.0 API is mainly divided into two package

- 1. `java.sql`
- 2. `javax.sql`

java.sql package

This package include classes and interface to perform almost all JDBC operation such as creating and executing SQL Queries.

Important classes and interface of `java.sql` package

classes/interface	Description
<code>java.sql.BLOB</code>	Provide support for BLOB(Binary Large Object) SQL type.
<code>java.sql.Connection</code>	creates a connection with specific database
<code>java.sql.CallableStatement</code>	Execute stored procedures
<code>java.sql.CLOB</code>	Provide support for CLOB(Character Large Object) SQL type.
<code>java.sql.Date</code>	Provide support for Date SQL type.
<code>java.sql.Driver</code>	create an instance of a driver with the DriverManager.
<code>java.sql.DriverManager</code>	This class manages database drivers.
<code>java.sql.PreparedStatement</code>	Used to create and execute parameterized query.
<code>java.sql.ResultSet</code>	It is an interface that provide methods to access the result row-by-row.
<code>java.sql.Savepoint</code>	Specify savepoint in transaction.
<code>java.sql.SQLException</code>	Encapsulate all JDBC related exception.
<code>java.sql.Statement</code>	This interface is used to execute SQL statements.

javax.sql package

This package is also known as JDBC extension API. It provides classes and interface to access server-side data.

Important classes and interface of `javax.sql` package

classes/interface	Description
<code>javax.sql.ConnectionEvent</code>	Provide information about occurrence of event.
<code>javax.sql.ConnectionEventListener</code>	Used to register event generated by PooledConnection object.
<code>javax.sql.DataSource</code>	Represent the DataSource interface used in an application.
<code>javax.sql.PooledConnection</code>	provide object to manage connection pools.

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