java.sql.*
ResultSet

ResultSetMetaData

```
String  getCatalogName(int column)
String  getColumnClassName(int column)
   int  getColumnCount()
   int  getColumnDisplaySize(int column)
String  getColumnLabel(int column)
String  getColumnName(int column)
   int  getColumnType(int column)
String  getColumnTypeName(int column)
   int  getPrecision(int column)
   int  getScale(int column)
String  getSchemaName(int column)
String  getTableName(int column)
boolean isAutoIncrement(int column)
boolean isCaseSensitive(int column)
boolean isCurrency(int column)
boolean isDefinitelyWritable(int column)
   int  isNullable(int column)
boolean isReadOnly(int column)
boolean isSearchable(int column)
boolean isSigned(int column)
boolean isWritable(int column)

int  columnNoNulls, columnNullable, columnNullableUnknown
```

javax.sql. **RowSetMetaData**

ResultSet

```
              Array  getArray(int i)
              Array  getArray(String colName)
java.io.InputStream  getAsciiStream(int columnIndex)
java.io.InputStream  getAsciiStream(String columnName)
         BigDecimal  getBigDecimal(int columnIndex)
         BigDecimal  getBigDecimal(String columnName)
java.io.InputStream  getBinaryStream(int columnIndex)
java.io.InputStream  getBinaryStream(String columnName)
               Blob  getBlob(int i)
               Blob  getBlob(String colName)
            boolean  getBoolean(int columnIndex)
            boolean  getBoolean(String columnName)
               byte  getByte(int columnIndex)
               byte  getByte(String columnName)
             byte[]  getBytes(int columnIndex)
             byte[]  getBytes(String columnName)
     java.io.Reader  getCharacterStream(int columnIndex)
     java.io.Reader  getCharacterStream(String columnName)
               Clob  getClob(int i)
               Clob  getClob(String colName)
                int  getConcurrency()
             String  getCursorName()
   java.sql.Date  getDate(int columnIndex)
   java.sql.Date  getDate(String columnName)
   java.sql.Date  getDate(int columnIndex, Calendar cal)
   java.sql.Date  getDate(String columnName, Calendar cal)
             double  getDouble(int columnIndex)
             double  getDouble(String columnName)
                int  get / setFetchDirection()
                int  get / setFetchSize()
              float  getFloat(int columnIndex)
              float  getFloat(String columnName)
                int  getInt(int columnIndex)
                int  getInt(String columnName)
               long  getLong(int columnIndex)
               long  getLong(String columnName)
ResultSetMetaData  getMetaData()
             Object  getObject(int columnIndex)
             Object  getObject(String columnName)
             Object  getObject(int i, java.util.Map map)
             Object  getObject(String colName, java.util.Map map)
                Ref  getRef(int i)
                Ref  getRef(String colName)
                int  getRow()
              short  getShort(int columnIndex)
              short  getShort(String columnName)
          Statement  getStatement()
             String  getString(int columnIndex)
             String  getString(String columnName)
   java.sql.Time  getTime(int columnIndex)
   java.sql.Time  getTime(String columnName)
   java.sql.Time  getTime(int columnIndex, Calendar cal)
   java.sql.Time  getTime(String columnName, Calendar cal)
java.sql.Timestamp  getTimestamp(int columnIndex)
java.sql.Timestamp  getTimestamp(String columnName)
java.sql.Timestamp  getTimestamp(int columnIndex, Calendar cal)
java.sql.Timestamp  getTimestamp(String columnName, Calendar cal)
                int  getType()
   java.net.URL  getURL(int columnIndex)
   java.net.URL  getURL(String columnName)
        SQLWarning  getWarnings()
            boolean  isAfterLast()
            boolean  isBeforeFirst()
            boolean  isFirst()
            boolean  isLast()

int  FETCH_FORWARD, FETCH_REVERSE, FETCH_UNKNOWN,
     TYPE_FORWARD_ONLY, TYPE_SCROLL_INSENSITIVE,
     TYPE_SCROLL_SENSITIVE, CONCUR_READ_ONLY,
     CONCUR_UPDATABLE, HOLD_CURSORS_OVER_COMMIT,
     CLOSE_CURSORS_AT_COMMIT
```

javax.sql. **RowSet**

ResultSet (continued)

Collectors

```
     void  deleteRow()
     void  insertRow()
```

Other Public Methods

```
boolean  absolute(int row)
     void  afterLast()
     void  beforeFirst()
     void  cancelRowUpdates()
     void  clearWarnings()
     void  close()
      int  findColumn(String columnName)
boolean  first()
boolean  last()
     void  moveToCurrentRow()
     void  moveToInsertRow()
boolean  next()
boolean  previous()
     void  refreshRow()
boolean  relative(int rows)
boolean  rowDeleted()
boolean  rowInserted()
boolean  rowUpdated()
     void  updateArray(int columnIndex, java.sql.Array x)
     void  updateArray(String columnName, java.sql.Array x)
     void  updateAsciiStream(int columnIndex, java.io.InputStream x, int length)
     void  updateAsciiStream(String columnName, java.io.InputStream x, int length)
     void  updateBigDecimal(int columnIndex, BigDecimal x)
     void  updateBigDecimal(String columnName, BigDecimal x)
     void  updateBinaryStream(int columnIndex, java.io.InputStream x, int length)
     void  updateBinaryStream(String columnName, java.io.InputStream x, int length)
     void  updateBlob(int columnIndex, java.sql.Blob x)
     void  updateBlob(String columnName, java.sql.Blob x)
     void  updateBoolean(int columnIndex, boolean x)
     void  updateBoolean(String columnName, boolean x)
     void  updateByte(int columnIndex, byte x)
     void  updateByte(String columnName, byte x)
     void  updateBytes(int columnIndex, byte x[])
     void  updateBytes(String columnName, byte x[])
     void  updateCharacterStream(int columnIndex, java.io.Reader x, int length)
     void  updateCharacterStream(String columnName, java.io.Reader reader, int length)
     void  updateClob(int columnIndex, java.sql.Clob x)
     void  updateClob(String columnName, java.sql.Clob x)
     void  updateDate(int columnIndex, java.sql.Date x)
     void  updateDate(String columnName, java.sql.Date x)
     void  updateDouble(int columnIndex, double x)
     void  updateDouble(String columnName, double x)
     void  updateFloat(int columnIndex, float x)
     void  updateFloat(String columnName, float x)
     void  updateInt(int columnIndex, int x)
     void  updateInt(String columnName, int x)
     void  updateLong(int columnIndex, long x)
     void  updateLong(String columnName, long x)
     void  updateNull(int columnIndex)
     void  updateNull(String columnName)
     void  updateObject(int columnIndex, Object x)
     void  updateObject(String columnName, Object x)
     void  updateObject(int columnIndex, Object x, int scale)
     void  updateObject(String columnName, Object x, int scale)
     void  updateRef(int columnIndex, java.sql.Ref x)
     void  updateRef(String columnName, java.sql.Ref x)
     void  updateRow()
     void  updateShort(int columnIndex, short x)
     void  updateShort(String columnName, short x)
     void  updateString(int columnIndex, String x)
     void  updateString(String columnName, String x)
     void  updateTime(int columnIndex, java.sql.Time x)
     void  updateTime(String columnName, java.sql.Time x)
     void  updateTimestamp(int columnIndex, java.sql.Timestamp x)
     void  updateTimestamp(String columnName, java.sql.Timestamp x)
boolean  wasNull()
```