| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RowSetMetaData.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/sql/RowSetListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/RowSetReader.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/RowSetMetaData.html)    [**NO FRAMES**](http://docs.google.com/RowSetMetaData.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#tyjcwt) | DETAIL: FIELD | CONSTR | [METHOD](#4d34og8) |

## **javax.sql**

Interface RowSetMetaData

**All Superinterfaces:** [ResultSetMetaData](http://docs.google.com/java/sql/ResultSetMetaData.html), [Wrapper](http://docs.google.com/java/sql/Wrapper.html) **All Known Implementing Classes:** [RowSetMetaDataImpl](http://docs.google.com/javax/sql/rowset/RowSetMetaDataImpl.html)

public interface **RowSetMetaData**extends [ResultSetMetaData](http://docs.google.com/java/sql/ResultSetMetaData.html)

An object that contains information about the columns in a RowSet object. This interface is an extension of the ResultSetMetaData interface with methods for setting the values in a RowSetMetaData object. When a RowSetReader object reads data into a RowSet object, it creates a RowSetMetaData object and initializes it using the methods in the RowSetMetaData interface. Then the reader passes the RowSetMetaData object to the rowset.

The methods in this interface are invoked internally when an application calls the method RowSet.execute; an application programmer would not use them directly.

**Since:** 1.4

| **Field Summary** | |
| --- | --- |

| **Fields inherited from interface java.sql.**[**ResultSetMetaData**](http://docs.google.com/java/sql/ResultSetMetaData.html) |
| --- |
| [columnNoNulls](http://docs.google.com/java/sql/ResultSetMetaData.html#columnNoNulls), [columnNullable](http://docs.google.com/java/sql/ResultSetMetaData.html#columnNullable), [columnNullableUnknown](http://docs.google.com/java/sql/ResultSetMetaData.html#columnNullableUnknown) |

| **Method Summary** | |
| --- | --- |
| void | [**setAutoIncrement**](http://docs.google.com/javax/sql/RowSetMetaData.html#setAutoIncrement(int,%20boolean))(int columnIndex, boolean property)            Sets whether the designated column is automatically numbered, The default is for a RowSet object's columns not to be automatically numbered. |
| void | [**setCaseSensitive**](http://docs.google.com/javax/sql/RowSetMetaData.html#setCaseSensitive(int,%20boolean))(int columnIndex, boolean property)            Sets whether the designated column is case sensitive. |
| void | [**setCatalogName**](http://docs.google.com/javax/sql/RowSetMetaData.html#setCatalogName(int,%20java.lang.String))(int columnIndex, [String](http://docs.google.com/java/lang/String.html) catalogName)            Sets the designated column's table's catalog name, if any, to the given String. |
| void | [**setColumnCount**](http://docs.google.com/javax/sql/RowSetMetaData.html#setColumnCount(int))(int columnCount)            Sets the number of columns in the RowSet object to the given number. |
| void | [**setColumnDisplaySize**](http://docs.google.com/javax/sql/RowSetMetaData.html#setColumnDisplaySize(int,%20int))(int columnIndex, int size)            Sets the designated column's normal maximum width in chars to the given int. |
| void | [**setColumnLabel**](http://docs.google.com/javax/sql/RowSetMetaData.html#setColumnLabel(int,%20java.lang.String))(int columnIndex, [String](http://docs.google.com/java/lang/String.html) label)            Sets the suggested column title for use in printouts and displays, if any, to the given String. |
| void | [**setColumnName**](http://docs.google.com/javax/sql/RowSetMetaData.html#setColumnName(int,%20java.lang.String))(int columnIndex, [String](http://docs.google.com/java/lang/String.html) columnName)            Sets the name of the designated column to the given String. |
| void | [**setColumnType**](http://docs.google.com/javax/sql/RowSetMetaData.html#setColumnType(int,%20int))(int columnIndex, int SQLType)            Sets the designated column's SQL type to the one given. |
| void | [**setColumnTypeName**](http://docs.google.com/javax/sql/RowSetMetaData.html#setColumnTypeName(int,%20java.lang.String))(int columnIndex, [String](http://docs.google.com/java/lang/String.html) typeName)            Sets the designated column's type name that is specific to the data source, if any, to the given String. |
| void | [**setCurrency**](http://docs.google.com/javax/sql/RowSetMetaData.html#setCurrency(int,%20boolean))(int columnIndex, boolean property)            Sets whether the designated column is a cash value. |
| void | [**setNullable**](http://docs.google.com/javax/sql/RowSetMetaData.html#setNullable(int,%20int))(int columnIndex, int property)            Sets whether the designated column's value can be set to NULL. |
| void | [**setPrecision**](http://docs.google.com/javax/sql/RowSetMetaData.html#setPrecision(int,%20int))(int columnIndex, int precision)            Sets the designated column's number of decimal digits to the given int. |
| void | [**setScale**](http://docs.google.com/javax/sql/RowSetMetaData.html#setScale(int,%20int))(int columnIndex, int scale)            Sets the designated column's number of digits to the right of the decimal point to the given int. |
| void | [**setSchemaName**](http://docs.google.com/javax/sql/RowSetMetaData.html#setSchemaName(int,%20java.lang.String))(int columnIndex, [String](http://docs.google.com/java/lang/String.html) schemaName)            Sets the name of the designated column's table's schema, if any, to the given String. |
| void | [**setSearchable**](http://docs.google.com/javax/sql/RowSetMetaData.html#setSearchable(int,%20boolean))(int columnIndex, boolean property)            Sets whether the designated column can be used in a where clause. |
| void | [**setSigned**](http://docs.google.com/javax/sql/RowSetMetaData.html#setSigned(int,%20boolean))(int columnIndex, boolean property)            Sets whether the designated column is a signed number. |
| void | [**setTableName**](http://docs.google.com/javax/sql/RowSetMetaData.html#setTableName(int,%20java.lang.String))(int columnIndex, [String](http://docs.google.com/java/lang/String.html) tableName)            Sets the designated column's table name, if any, to the given String. |

| **Methods inherited from interface java.sql.**[**ResultSetMetaData**](http://docs.google.com/java/sql/ResultSetMetaData.html) |
| --- |
| [getCatalogName](http://docs.google.com/java/sql/ResultSetMetaData.html#getCatalogName(int)), [getColumnClassName](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnClassName(int)), [getColumnCount](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnCount()), [getColumnDisplaySize](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnDisplaySize(int)), [getColumnLabel](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnLabel(int)), [getColumnName](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnName(int)), [getColumnType](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnType(int)), [getColumnTypeName](http://docs.google.com/java/sql/ResultSetMetaData.html#getColumnTypeName(int)), [getPrecision](http://docs.google.com/java/sql/ResultSetMetaData.html#getPrecision(int)), [getScale](http://docs.google.com/java/sql/ResultSetMetaData.html#getScale(int)), [getSchemaName](http://docs.google.com/java/sql/ResultSetMetaData.html#getSchemaName(int)), [getTableName](http://docs.google.com/java/sql/ResultSetMetaData.html#getTableName(int)), [isAutoIncrement](http://docs.google.com/java/sql/ResultSetMetaData.html#isAutoIncrement(int)), [isCaseSensitive](http://docs.google.com/java/sql/ResultSetMetaData.html#isCaseSensitive(int)), [isCurrency](http://docs.google.com/java/sql/ResultSetMetaData.html#isCurrency(int)), [isDefinitelyWritable](http://docs.google.com/java/sql/ResultSetMetaData.html#isDefinitelyWritable(int)), [isNullable](http://docs.google.com/java/sql/ResultSetMetaData.html#isNullable(int)), [isReadOnly](http://docs.google.com/java/sql/ResultSetMetaData.html#isReadOnly(int)), [isSearchable](http://docs.google.com/java/sql/ResultSetMetaData.html#isSearchable(int)), [isSigned](http://docs.google.com/java/sql/ResultSetMetaData.html#isSigned(int)), [isWritable](http://docs.google.com/java/sql/ResultSetMetaData.html#isWritable(int)) |

| **Methods inherited from interface java.sql.**[**Wrapper**](http://docs.google.com/java/sql/Wrapper.html) |
| --- |
| [isWrapperFor](http://docs.google.com/java/sql/Wrapper.html#isWrapperFor(java.lang.Class)), [unwrap](http://docs.google.com/java/sql/Wrapper.html#unwrap(java.lang.Class)) |

| **Method Detail** |
| --- |

### setColumnCount

void **setColumnCount**(int columnCount)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the number of columns in the RowSet object to the given number.

**Parameters:**columnCount - the number of columns in the RowSet object **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setAutoIncrement

void **setAutoIncrement**(int columnIndex,  
 boolean property)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets whether the designated column is automatically numbered, The default is for a RowSet object's columns not to be automatically numbered.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...property - true if the column is automatically numbered; false if it is not **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setCaseSensitive

void **setCaseSensitive**(int columnIndex,  
 boolean property)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets whether the designated column is case sensitive. The default is false.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...property - true if the column is case sensitive; false if it is not **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setSearchable

void **setSearchable**(int columnIndex,  
 boolean property)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets whether the designated column can be used in a where clause. The default is false.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...property - true if the column can be used in a WHERE clause; false if it cannot **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setCurrency

void **setCurrency**(int columnIndex,  
 boolean property)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets whether the designated column is a cash value. The default is false.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...property - true if the column is a cash value; false if it is not **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setNullable

void **setNullable**(int columnIndex,  
 int property)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets whether the designated column's value can be set to NULL. The default is ResultSetMetaData.columnNullableUnknown

**Parameters:**columnIndex - the first column is 1, the second is 2, ...property - one of the following constants: ResultSetMetaData.columnNoNulls, ResultSetMetaData.columnNullable, or ResultSetMetaData.columnNullableUnknown **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setSigned

void **setSigned**(int columnIndex,  
 boolean property)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets whether the designated column is a signed number. The default is false.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...property - true if the column is a signed number; false if it is not **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setColumnDisplaySize

void **setColumnDisplaySize**(int columnIndex,  
 int size)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's normal maximum width in chars to the given int.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...size - the normal maximum number of characters for the designated column **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setColumnLabel

void **setColumnLabel**(int columnIndex,  
 [String](http://docs.google.com/java/lang/String.html) label)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the suggested column title for use in printouts and displays, if any, to the given String.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...label - the column title **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setColumnName

void **setColumnName**(int columnIndex,  
 [String](http://docs.google.com/java/lang/String.html) columnName)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the name of the designated column to the given String.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...columnName - the designated column's name **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setSchemaName

void **setSchemaName**(int columnIndex,  
 [String](http://docs.google.com/java/lang/String.html) schemaName)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the name of the designated column's table's schema, if any, to the given String.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...schemaName - the schema name **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setPrecision

void **setPrecision**(int columnIndex,  
 int precision)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's number of decimal digits to the given int.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...precision - the total number of decimal digits **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setScale

void **setScale**(int columnIndex,  
 int scale)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's number of digits to the right of the decimal point to the given int.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...scale - the number of digits to right of decimal point **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setTableName

void **setTableName**(int columnIndex,  
 [String](http://docs.google.com/java/lang/String.html) tableName)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's table name, if any, to the given String.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...tableName - the column's table name **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setCatalogName

void **setCatalogName**(int columnIndex,  
 [String](http://docs.google.com/java/lang/String.html) catalogName)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's table's catalog name, if any, to the given String.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...catalogName - the column's catalog name **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

### setColumnType

void **setColumnType**(int columnIndex,  
 int SQLType)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's SQL type to the one given.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...SQLType - the column's SQL type **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs**See Also:**[Types](http://docs.google.com/java/sql/Types.html)

### setColumnTypeName

void **setColumnTypeName**(int columnIndex,  
 [String](http://docs.google.com/java/lang/String.html) typeName)  
 throws [SQLException](http://docs.google.com/java/sql/SQLException.html)

Sets the designated column's type name that is specific to the data source, if any, to the given String.

**Parameters:**columnIndex - the first column is 1, the second is 2, ...typeName - data source specific type name. **Throws:** [SQLException](http://docs.google.com/java/sql/SQLException.html) - if a database access error occurs

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RowSetMetaData.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/sql/RowSetListener.html)   [**NEXT CLASS**](http://docs.google.com/javax/sql/RowSetReader.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sql/RowSetMetaData.html)    [**NO FRAMES**](http://docs.google.com/RowSetMetaData.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#tyjcwt) | DETAIL: FIELD | CONSTR | [METHOD](#4d34og8) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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