| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Types.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/java/sql/Timestamp.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/Wrapper.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/Types.html)    [**NO FRAMES**](http://docs.google.com/Types.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | METHOD |

## **java.sql**

Class Types

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.sql.Types**

public class **Types**extends [Object](http://docs.google.com/java/lang/Object.html)

The class that defines the constants that are used to identify generic SQL types, called JDBC types.

This class is never instantiated.

| **Field Summary** | |
| --- | --- |
| static int | [**ARRAY**](http://docs.google.com/java/sql/Types.html#ARRAY)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type ARRAY. |
| static int | [**BIGINT**](http://docs.google.com/java/sql/Types.html#BIGINT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BIGINT. |
| static int | [**BINARY**](http://docs.google.com/java/sql/Types.html#BINARY)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BINARY. |
| static int | [**BIT**](http://docs.google.com/java/sql/Types.html#BIT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BIT. |
| static int | [**BLOB**](http://docs.google.com/java/sql/Types.html#BLOB)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BLOB. |
| static int | [**BOOLEAN**](http://docs.google.com/java/sql/Types.html#BOOLEAN)            The constant in the Java programming language, somtimes referred to as a type code, that identifies the generic SQL type BOOLEAN. |
| static int | [**CHAR**](http://docs.google.com/java/sql/Types.html#CHAR)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type CHAR. |
| static int | [**CLOB**](http://docs.google.com/java/sql/Types.html#CLOB)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type CLOB. |
| static int | [**DATALINK**](http://docs.google.com/java/sql/Types.html#DATALINK)            The constant in the Java programming language, somtimes referred to as a type code, that identifies the generic SQL type DATALINK. |
| static int | [**DATE**](http://docs.google.com/java/sql/Types.html#DATE)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DATE. |
| static int | [**DECIMAL**](http://docs.google.com/java/sql/Types.html#DECIMAL)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DECIMAL. |
| static int | [**DISTINCT**](http://docs.google.com/java/sql/Types.html#DISTINCT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DISTINCT. |
| static int | [**DOUBLE**](http://docs.google.com/java/sql/Types.html#DOUBLE)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DOUBLE. |
| static int | [**FLOAT**](http://docs.google.com/java/sql/Types.html#FLOAT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type FLOAT. |
| static int | [**INTEGER**](http://docs.google.com/java/sql/Types.html#INTEGER)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type INTEGER. |
| static int | [**JAVA\_OBJECT**](http://docs.google.com/java/sql/Types.html#JAVA_OBJECT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type JAVA\_OBJECT. |
| static int | [**LONGNVARCHAR**](http://docs.google.com/java/sql/Types.html#LONGNVARCHAR)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type LONGNVARCHAR. |
| static int | [**LONGVARBINARY**](http://docs.google.com/java/sql/Types.html#LONGVARBINARY)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type LONGVARBINARY. |
| static int | [**LONGVARCHAR**](http://docs.google.com/java/sql/Types.html#LONGVARCHAR)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type LONGVARCHAR. |
| static int | [**NCHAR**](http://docs.google.com/java/sql/Types.html#NCHAR)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NCHAR |
| static int | [**NCLOB**](http://docs.google.com/java/sql/Types.html#NCLOB)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NCLOB. |
| static int | [**NULL**](http://docs.google.com/java/sql/Types.html#NULL)            The constant in the Java programming language that identifies the generic SQL value NULL. |
| static int | [**NUMERIC**](http://docs.google.com/java/sql/Types.html#NUMERIC)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NUMERIC. |
| static int | [**NVARCHAR**](http://docs.google.com/java/sql/Types.html#NVARCHAR)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NVARCHAR. |
| static int | [**OTHER**](http://docs.google.com/java/sql/Types.html#OTHER)            The constant in the Java programming language that indicates that the SQL type is database-specific and gets mapped to a Java object that can be accessed via the methods getObject and setObject. |
| static int | [**REAL**](http://docs.google.com/java/sql/Types.html#REAL)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type REAL. |
| static int | [**REF**](http://docs.google.com/java/sql/Types.html#REF)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type REF. |
| static int | [**ROWID**](http://docs.google.com/java/sql/Types.html#ROWID)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type ROWID |
| static int | [**SMALLINT**](http://docs.google.com/java/sql/Types.html#SMALLINT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type SMALLINT. |
| static int | [**SQLXML**](http://docs.google.com/java/sql/Types.html#SQLXML)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type XML. |
| static int | [**STRUCT**](http://docs.google.com/java/sql/Types.html#STRUCT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type STRUCT. |
| static int | [**TIME**](http://docs.google.com/java/sql/Types.html#TIME)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type TIME. |
| static int | [**TIMESTAMP**](http://docs.google.com/java/sql/Types.html#TIMESTAMP)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type TIMESTAMP. |
| static int | [**TINYINT**](http://docs.google.com/java/sql/Types.html#TINYINT)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type TINYINT. |
| static int | [**VARBINARY**](http://docs.google.com/java/sql/Types.html#VARBINARY)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type VARBINARY. |
| static int | [**VARCHAR**](http://docs.google.com/java/sql/Types.html#VARCHAR)            The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type VARCHAR. |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Field Detail** |
| --- |

### BIT

public static final int **BIT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BIT.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.BIT)

### TINYINT

public static final int **TINYINT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type TINYINT.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.TINYINT)

### SMALLINT

public static final int **SMALLINT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type SMALLINT.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.SMALLINT)

### INTEGER

public static final int **INTEGER**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type INTEGER.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.INTEGER)

### BIGINT

public static final int **BIGINT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BIGINT.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.BIGINT)

### FLOAT

public static final int **FLOAT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type FLOAT.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.FLOAT)

### REAL

public static final int **REAL**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type REAL.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.REAL)

### DOUBLE

public static final int **DOUBLE**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DOUBLE.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.DOUBLE)

### NUMERIC

public static final int **NUMERIC**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NUMERIC.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.NUMERIC)

### DECIMAL

public static final int **DECIMAL**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DECIMAL.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.DECIMAL)

### CHAR

public static final int **CHAR**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type CHAR.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.CHAR)

### VARCHAR

public static final int **VARCHAR**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type VARCHAR.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.VARCHAR)

### LONGVARCHAR

public static final int **LONGVARCHAR**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type LONGVARCHAR.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.LONGVARCHAR)

### DATE

public static final int **DATE**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DATE.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.DATE)

### TIME

public static final int **TIME**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type TIME.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.TIME)

### TIMESTAMP

public static final int **TIMESTAMP**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type TIMESTAMP.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.TIMESTAMP)

### BINARY

public static final int **BINARY**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BINARY.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.BINARY)

### VARBINARY

public static final int **VARBINARY**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type VARBINARY.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.VARBINARY)

### LONGVARBINARY

public static final int **LONGVARBINARY**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type LONGVARBINARY.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.LONGVARBINARY)

### NULL

public static final int **NULL**

The constant in the Java programming language that identifies the generic SQL value NULL.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.NULL)

### OTHER

public static final int **OTHER**

The constant in the Java programming language that indicates that the SQL type is database-specific and gets mapped to a Java object that can be accessed via the methods getObject and setObject.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.OTHER)

### JAVA\_OBJECT

public static final int **JAVA\_OBJECT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type JAVA\_OBJECT.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.JAVA_OBJECT)

### DISTINCT

public static final int **DISTINCT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type DISTINCT.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.DISTINCT)

### STRUCT

public static final int **STRUCT**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type STRUCT.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.STRUCT)

### ARRAY

public static final int **ARRAY**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type ARRAY.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.ARRAY)

### BLOB

public static final int **BLOB**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type BLOB.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.BLOB)

### CLOB

public static final int **CLOB**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type CLOB.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.CLOB)

### REF

public static final int **REF**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type REF.

**Since:** 1.2 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.REF)

### DATALINK

public static final int **DATALINK**

The constant in the Java programming language, somtimes referred to as a type code, that identifies the generic SQL type DATALINK.

**Since:** 1.4 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.DATALINK)

### BOOLEAN

public static final int **BOOLEAN**

The constant in the Java programming language, somtimes referred to as a type code, that identifies the generic SQL type BOOLEAN.

**Since:** 1.4 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.BOOLEAN)

### ROWID

public static final int **ROWID**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type ROWID

**Since:** 1.6 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.ROWID)

### NCHAR

public static final int **NCHAR**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NCHAR

**Since:** 1.6 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.NCHAR)

### NVARCHAR

public static final int **NVARCHAR**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NVARCHAR.

**Since:** 1.6 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.NVARCHAR)

### LONGNVARCHAR

public static final int **LONGNVARCHAR**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type LONGNVARCHAR.

**Since:** 1.6 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.LONGNVARCHAR)

### NCLOB

public static final int **NCLOB**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type NCLOB.

**Since:** 1.6 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.NCLOB)

### SQLXML

public static final int **SQLXML**

The constant in the Java programming language, sometimes referred to as a type code, that identifies the generic SQL type XML.

**Since:** 1.6 **See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.sql.Types.SQLXML)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Types.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/java/sql/Timestamp.html)   [**NEXT CLASS**](http://docs.google.com/java/sql/Wrapper.html) | [**FRAMES**](http://docs.google.com/index.html?java/sql/Types.html)    [**NO FRAMES**](http://docs.google.com/Types.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | METHOD |

[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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