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Part 10: Object Language Bindings (SQL/OLB)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO/IEC 9075 may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 9075-10 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management and interchange*.

ISO/IEC 9075 consists of the following parts, under the general title *Information technology — Database languages — SQL*:

— *Part 1: Framework (SQL/Framework)*

— *Part 2: Foundation (SQL/Foundation)*

— *Part 3: Call-Level Interface (SQL/CLI)*

— *Part 4: Persistent Stored Modules (SQL/PSM)*

— *Part 5: Host Language Bindings (SQL/Bindings)*

— *Part 9: Management of External Data*

— *Part 10: Object Language Bindings (SQL/OLB)*

Annexes A, B, C, D, E, F and G of this part of ISO/IEC 9075 are for information only.

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Introduction

The organization of this part of this International Standard is as follows:

1) Clause 1, “Scope”, specifies the scope of this part of ISO/IEC 9075.

2) Clause 2, “Normative references”, identifies additional standards and publically-available specifications that, through reference in this part of ISO/IEC 9075, constitute provisions of this part of ISO/IEC 9075.

3) Clause 3, “Definitions, notations, and conventions”, defines the notations and conventions used in this part of ISO/IEC 9075.

4) Clause 4, “Concepts”, presents concepts used in the definition of the Object Language Bindings.

5) Clause 5, “Lexical elements”, defines the lexical elements of the language.

6) Clause 6, “Scalar expressions”, defines the elements of the language that produce scalar values.

7) Clause 7, “Additional common elements”, defines additional language elements that are used in various parts of the language.

8) Clause 8, “Embedded SQL”, defines the host language embeddings.

9) Clause 9, “Binary portability”, provides an overview of the binary portability and profile customization requirements for SQLJ.

10) Clause 10, “SQLJ grammar constructs”, defines the BNF conventions, common subelements, and datatype mappings for SQLJ.

11) Clause 11, “<SQLJ specific clause> and contents”, defines the syntax and rules for SQLJ constructs.

12) Clause 12, “Additional features”, lists agreed extensions to the core SQLJ functionality.

13) Clause 13, “Package sqlj . runtime”, specifies the SQLJ runtime package.

14) Clause 14, “Package sqlj . runtime . profile”, specifies the SQLJ runtime profile package.

15) Clause 15, “sqlj . runtime . profile . util . ProfileCustomizer”, specifies the SQLJ profile customizer class.

16) Clause 16, “Dynamic SQL”, defines the SQL dynamic statements.

17) Clause 17, “Call-Level Interface specifications”, defines facilities for using SQL through a Call-Level Interface.

18) Clause 18, “Definition Schema”, defines base tables on which the viewed tables containing schema information depend.

19) Clause 19, “Status codes”, defines SQLSTATE values related to Object Language Bindings.

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20) Clause 20, “Conformance”, defines the criteria for conformance to this part of ISO/IEC 9075.

21) Annex A, “SQL Conformance Summary”, is an informative Annex. It summarizes the conformance requirements of the SQL language.

22) Annex B, “Implementation-defined elements”, is an informative Annex. It lists those features for which the body of this part of ISO/IEC 9075 states that the syntax, the meaning, the returned results, the effect on SQL-data and/or schemas, or any other behavior is partly or wholly implementation-defined.

23) Annex C, “Implementation-dependent elements”, is an informative Annex. It lists those features for which the body of this part of ISO/IEC 9075 states that the syntax, the meaning, the returned results, the effect on SQL-data and/or schemas, or any other behavior is partly or wholly implementation-dependent.

24) Annex D, “Deprecated features”, is an informative Annex. It lists features that the responsible Technical Committee intends will not appear in a future revised version of ISO/IEC 9075.

25) Annex E, “Typical header files”, is an informative Annex. It provides examples of typical definition files for application programs using the SQL Call-Level Interface.

26) Annex F, “SQL Feature Taxonomy”, is an informative Annex. It identifies features of the SQL language specified in this part of ISO/IEC 9075 by a numeric identifier and a short descriptive name. This taxonomy is used to specify conformance to Core SQL and might be used to develop other profiles involving the SQL language.

27) Annex G, “SQLJ tutorial”, is an informative Annex. It contains tutorial information about the features of the SQL language that are specified in this part of ISO/IEC 9075.

In the text of this part of ISO/IEC 9075, Clauses begin a new odd-numbered page. Any resulting blank space is not significant.

All Clauses of this part of ISO/IEC 9075 are normative.

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Information technology — Database languages — SQL —

Part 10:

Object Language Bindings (SQL/OLB)

1 Scope

This part of ISO/IEC 9075 defines extensions of Database language SQL to support embedding of SQL statements into programs written in the Java™ programming language (Java is a registered trademark of Sun Microsystems, Inc.). The embedding of SQL into Java is commonly known as “SQLJ”. This part of ISO/IEC 9075 specifies the syntax and semantics of SQLJ, as well as mechanisms to ensure binary portability of resulting SQLJ applications. In addition, it specifies a number of Java packages and their contained classes (including methods).

Throughout this part of ISO/IEC 9075, the terms "SQLJ" and "SQL/OLB" are used synonymously.

NOTE 1 – The framework for this part of ISO/IEC 9075 is described by the Reference Model of Data Management (ISO/IEC 10032:1995).

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2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 9075. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 9075 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

2.1 JTC 1 standards

[SQL] ISO/IEC 9075-1:1999, *Information technology — Database languages — SQL — Part 1: Framework (SQL/Framework)*

ISO/IEC 9075-2:1999, *Information technology — Database languages — SQL — Part 2: Foundation (SQL/Foundation)*

ISO/IEC 9075-3:1999, *Information technology — Database languages — SQL — Part 3: Call-Level Interface (SQL/CLI)*

ISO/IEC 9075-4:1999, *Information technology — Database languages — SQL — Part 4: Persistent Stored Modules (SQL/PSM)*

ISO/IEC 9075-5:1999, *Information technology — Database languages — SQL — Part 5: Host Language Bindings (SQL/Bindings)*

The reference [SQL] refers to ISO/IEC 9075-1, ISO/IEC 9075-2, ISO/IEC 9075-3, ISO/IEC 9075-4, and ISO/IEC 9075-5.

ISO/IEC 10032:1995, *Information technology — Reference Model of Data Management*

[UCS] ISO/IEC 10646-1:1993, *Information technology — Universal Multi-Octet Coded Character Set (UCS) — Part 1: Architecture and Basic Multilingual Plane.*

2.2 Publicly-available specifications

[UNICODE] The Unicode Consortium, *The Unicode Standard, Version 2.0*, 1996. ISBN 0-201-48345-9.

[Java] *The Java Language Specification*, James Gosling, Bill Joy, and Guy Steele, Addison-Wesley, 1996, ISBN 0-201-63451-1

Changes for Java 1.1, http://java.sum.com/docs/books/jls/1.1 Update.html
Clarifications and Amendments, http://java.sun.com/docs/books/jls/clarify.html

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2.2 Publicly-available specifications

The reference [Java] refers to *The Java Language Specification*, amended by *Changes for Java 1.1*, further amended by *Clarifications and Amendments*.

JDBC: A Java SQL API, Version 1.20, Graham Hamilton & Rick Cattell, JavaSoft, 10 January 1997

[JDBC2.0] *JDBC™ 2.0 API, Version 1.0*, Seth White & Mark Hapner, Sun Microsystems, Inc., 30 May, 1999

JDBC 2.0 Standard Extension API, Version 1.0, Seth White & Mark Hapner, Sun Microsystems, Inc., 7 December, 1998

The reference [JDBC2.0] refers to *JDBC™ 2.0 API, Version 1.0*, amended by *JDBC 2.0 Standard Extension API, Version 1.0*.

RFC 1738, *Uniform Resource Locators (URL)*, T. Berners-Lee, L. Maxinter, M. McCahill, December, 1994

RFC 1808, *Relative Uniform Resource Locators*, R. Fielding, June, 1995

RFC 2368, *The mailto URL scheme*, P. Hoffman, L. Masinter, J. Zawinski, July, 1998

[JDBCtutorial] *JDBC API Tutorial and Reference, Second Edition: Universal Data Access for the Java 2 Platform*, Seth White, Maydene Fisher, Rick Cattell, Graham Hamilton, Mark Hapner, Addison Wesley, Reading, Massachusetts, 1999, ISBN: 0-201-43328-1

4 Object Language Bindings (SQL/OLB)

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3 Definitions, notations, and conventions

3.1 Definitions

3.1.1 Definitions provided in Part 10

For the purposes of this part of ISO/IEC 9075, the definitions given in ISO/IEC 9075-1 and ISO/IEC 9075-2 and the following definitions apply.

a) **accessor method**: A method that, when invoked, accesses column data returned by a result set iterator object. An *accessor method* is either a *named accessor method* or a *positioned accessor method*. A named accessor method is declared as the result of an <iterator declaration clause> containing an <iterator spec declaration> of <named iterator>. A named accessor method derives both its name and its result datatype from its defining <named iterator> clause. A positioned accessor method is declared as the result of an <iterator declaration clause> containing an <iterator spec declaration> of <positioned iterator>. A positioned accessor method derives its result datatype from its defining <positioned iterator> clause.

b) **customization**: An implementation-specific process of tailoring an SQLJ application's embedded SQL to run against a target SQL-implementation. This frequently involves creating new versions of some of the object instances stored in the SQLJ translation-generated profile, to create customized profile object instances.

c) **generated connection class**: A class whose methods, when invoked, maintain a named database connection. The signature of this class is produced as a side effect of the direct inclusion of a <connection declaration clause> in a Java application.

d) **generated iterator class**: A class whose methods, when invoked, provide access to the rows and columns of SQL queries associated with result set iterators. A *generated iterator class* is either a *generated named iterator class* or a *generated positioned iterator class*. The signature of a generated named iterator class is produced as a side effect of the inclusion of a <iterator declaration clause> that contains an <iterator spec declaration> of <named iterator>, and it specifies named accessor methods. The signature of a generated positioned iterator class is produced as a side effect of the inclusion of a <iterator declaration clause> that contains an <iterator spec declaration> of <positioned iterator>, and it specifies positioned accessor methods.

e) **getter method**: a method defined on objects of either the RTStatement or RTResultSet class or a subclass of such a class, and that when invoked populates host variables of a given datatype when those host variables appear as bind variables.

f) **implementation-specific**: possibly differing between SQL-implementations, but provided as part of each particular SQL-implementation.

g) **installation** (of an SQLJ application): An implementation-defined, and possibly empty, phase that includes anything other than *SQLJ translation* and *customization* needed prior to the SQLJ application being able to execute against its target SQL-implementation.

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h) **java primitive datatype**: one of the following Java types: boolean, byte, short, int, long, float, or double.

NOTE 2 – For interoperability with JDBC, the Java primitive type char is intentionally omitted from this list.

i) **l-valued expression**: a Java expression that is allowed to appear as the *LeftHandSide* of a Java *assignment*, as defined in the Java Language Specification. For example, an l-valued expression may be a named variable, such as a local variable or a field of the current object or class, or it may be a computed variable, as can result from a field access or an array access.

j) **profile**: A Java serialized object produced by an SQLJ translator, containing information regarding the input required and output generated by individual SQL statements, as well as the text of those statements. The serialized objects can then be accessed for additional processing by a customizer or by the SQLJ runtime system.

k) **profile file**: A file containing one or more profiles generated as a result of an SQLJ translation.

l) **setter method**: a method defined on objects of the RTStatement class or a subclass of RTStatement, that when invoked passes bind variables of the given datatype as input parameters to the database.

m) **SQLJ translation**: The process of transforming a Java application program containing embedded SQL into two or more different files, the first file being identical to the original Java application except that use of embedded SQL is replaced with Java code invoking SQLJ's runtime API, and the second (and possibly subsequent) file(s) being profile file(s).

3.2 Notations

Insert this paragraph The notation used in this part of ISO/IEC 9075 is an extended version of BNF ("Backus Normal Form" or "Backus Naur Form"). This version of BNF is fully described in Subclause 7.1, "Notation", of ISO/IEC 9075-1.

3.3 Conventions

Insert this paragraph The conventions used in this part of ISO/IEC 9075 are defined in ISO/IEC 9075-1 and ISO/IEC 9075-2.

Insert this paragraph In addition, bolding is used when a term is first introduced in this part of ISO/IEC 9075.

3.3.1 Use of terms

3.3.1.1 Other terms

Insert this paragraph In this International Standard, the word "object" is used in phrases of the form "a *java type* object", where *java type* is the name of a Java class or interface. If *java type* is the name of a Java class, then this phrase is meant to denote a Java object that is either an instance of the class *java type*, meaning that it has been created by invocation of a constructor of the class *java type*, or an instance of one of the subclasses of class *java type*.

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If *java type* is the name of a Java interface, then this phrase denotes an object that is one of the following:

— An instance of a class that implements the interface *java type*.

— An instance of a class that implements an interface that extends the interface *java type*.

— An instance of a subclass of such class.

The following denotations also hold throughout this International Standard:

— A *connection context object* is an instance of a class that is generated by an SQLJ translator as the result of processing a <connection declaration clause>. The generated class implements the interface `sqlj.runtime.ConnectionContext`.

— An *execution context object* is an instance of the class `sqlj.runtime.ExecutionContext`.

— A *named iterator* is an instance of a class that is generated by an SQLJ translator as the result of processing an <iterator declaration clause> that contains a <named iterator>. The generated class implements the interface `sqlj.runtime.NamedIterator`.

— A *positioned iterator* is an instance of a class that is generated by an SQLJ translator as the result of processing a <iterator declaration clause> that contains a <positioned iterator>. The generated class implements the interface `sqlj.runtime.PositionedIterator`.

— An *iterator* is either a named iterator or a positioned iterator.

3.3.2 Relationships to other parts of ISO/IEC 9075

3.3.2.1 Clause, Subclause, and Table relationships

Table 1—Clause, Subclause, and Table relationships

Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Clause 1, “Scope”	Clause 1, "Scope"	ISO/IEC 9075-2
Clause 2, “Normative references”	Clause 2, "Normative references"	ISO/IEC 9075-2
Subclause 2.1, “JTC 1 standards”	*(none)*	*(none)*
Subclause 2.2, “Publicly-available specifications”	*(none)*	*(none)*
Clause 3, “Definitions, notations, and conventions”	Clause 3, "Definitions, notations, and conventions"	ISO/IEC 9075-2
Subclause 3.1, “Definitions”	Subclause 3.1, "Definitions"	ISO/IEC 9075-2
Subclause 3.1.1, “Definitions provided in Part 10”	*(none)*	*(none)*
Subclause 3.2, “Notations”	Subclause 3.2, "Notation"	ISO/IEC 9075-2
Subclause 3.3, “Conventions”	Subclause 3.3, "Conventions"	ISO/IEC 9075-2

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Table 1—Clause, Subclause, and Table relationships (Cont.)

Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 3.3.1, “Use of terms”	Subclause 3.3.1, "User of terms"	ISO/IEC 9075-2
Subclause 3.3.1.1, “Other terms”	Subclause 6.2.3.7, "Other terms"	ISO/IEC 9075-1
Subclause 3.3.2, “Relationships to other parts of ISO/IEC 9075”	*(none)*	*(none)*
Subclause 3.3.2.1, “Clause, Subclause, and Table relationships”	*(none)*	*(none)*
Subclause 3.4, “Object identifier for Database Language SQL”	Subclause 6.3, "Object identifier for Database Language SQL"	ISO/IEC 9075-1
Clause 4, “Concepts”	Clause 4, "Concepts"	ISO/IEC 9075-2
Subclause 4.1, “Introduction”	*(none)*	*(none)*
Subclause 4.2, “Embedded syntax”	Subclause 4.8, "Embedded syntax"	ISO/IEC 9075-5
Subclause 4.3, “SQL constructs”	*(none)*	*(none)*
Subclause 4.4, “Character strings”	Subclause 4.2, "Character strings"	ISO/IEC 9075-2
Subclause 4.4.1, “UNICODE support”	*(none)*	*(none)*
Subclause 4.4.2, “Named character sets”	Subclause 4.2.4, "Named character sets"	ISO/IEC 9075-2
Subclause 4.5, “Host variables”	*(none)*	*(none)*
Subclause 4.6, “Host expressions”	*(none)*	*(none)*
Subclause 4.7, “SQLJ clauses”	*(none)*	*(none)*
Subclause 4.8, “Database connection context”	*(none)*	*(none)*
Subclause 4.9, “Default connection context”	*(none)*	*(none)*
Subclause 4.10, “Schema checking using exemplar schemas”	*(none)*	*(none)*
Subclause 4.11, “Using multiple SQLJ contexts and connections”	*(none)*	*(none)*
Subclause 4.12, “Dynamic SQL and JDBC/SQLJ Connection interoperability”	*(none)*	*(none)*
Subclause 4.12.1, “Creating an SQLJ ConnectionContext from a JDBC connection”	*(none)*	*(none)*
Subclause 4.12.2, “Obtaining a JDBC connection from an SQLJ ConnectionContext”	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 4.12.3, "Connection sharing"	*(none)*	*(none)*
Subclause 4.12.4, "Connection resource management"	*(none)*	*(none)*
Subclause 4.13, "SQL execution control and status"	*(none)*	*(none)*
Subclause 4.14, "Iterators"	*(none)*	*(none)*
Subclause 4.15, "Input and output assignability"	*(none)*	*(none)*
Subclause 4.16, "Calls to stored procedures and functions"	*(none)*	*(none)*
Subclause 4.17, "Multiple JDBC ResultSet objects from stored procedure calls"	*(none)*	*(none)*
Subclause 4.17.1, "Resource management with multiple results"	*(none)*	*(none)*
Subclause 4.18, "JDBC/SQLJ ResultSet interoperability"	*(none)*	*(none)*
Subclause 4.18.1, "Creating an SQLJ iterator from a JDBC ResultSet object"	*(none)*	*(none)*
Subclause 4.18.2, "Obtaining a JDBC ResultSet object from an SQLJ iterator object"	*(none)*	*(none)*
Subclause 4.18.3, "Obtaining a JDBC ResultSet object from an untyped iterator object"	*(none)*	*(none)*
Subclause 4.18.4, "Iterator and JDBC ResultSet resource management"	*(none)*	*(none)*
Subclause 4.19, "Multi-threading considerations"	*(none)*	*(none)*
Subclause 4.20, "User-defined data types"	*(none)*	*(none)*
Subclause 4.21, "Batch updates"	*(none)*	*(none)*
Subclause 4.21.1, "Batchable statements and batch compatibility"	*(none)*	*(none)*
Subclause 4.21.2, "Statement batching API"	*(none)*	*(none)*

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Subclause 4.21.3, “Execution status and update counts”	*(none)*	*(none)*
Subclause 4.21.4, “Program semantics and exceptions”	*(none)*	*(none)*
Subclause 4.21.5, “Batch cancellation and disabling”	*(none)*	*(none)*
Subclause 4.21.6, “Specification of a batching limit”	*(none)*	*(none)*
Subclause 4.22, “SQLJ language elements”	*(none)*	*(none)*
Subclause 4.22.1, “<cursor name>”	*(none)*	*(none)*
Subclause 4.22.2, “SQL schema, data, and transaction statements”	*(none)*	*(none)*
Subclause 4.22.3, “<SQL dynamic statement>”	*(none)*	*(none)*
Subclause 4.22.4, “<SQL connection statement>”	*(none)*	*(none)*
Subclause 4.22.5, “<host variable definition>”	*(none)*	*(none)*
Subclause 4.22.6, “<embedded exception declaration>”	*(none)*	*(none)*
Subclause 4.22.7, “<SQL diagnostics statement>”	*(none)*	*(none)*
Subclause 4.22.8, “Cursor declaration”	*(none)*	*(none)*
Subclause 4.22.9, “Input parameters to SQL statements”	*(none)*	*(none)*
Subclause 4.22.10, “Extracting column values from SQLJ iterators”	*(none)*	*(none)*
Subclause 4.22.11, “<open statement> and cursors”	*(none)*	*(none)*
Clause 5, “Lexical elements”	Clause 5, "Lexical elements"	ISO/IEC 9075-2
Subclause 5.1, “<SQL terminal character>”	Subclause 5.1, "<SQL terminal character>"	ISO/IEC 9075-2
Clause 6, “Scalar expressions”	Clause 6, "Scalar expressions"	ISO/IEC 9075-2
Subclause 6.1, “<value specification> and <target specification>”	Subclause 6.3, "<value specification> and <target specification>"	ISO/IEC 9075-2
Clause 7, “Additional common elements”	Clause 8, "Additional common elements"	ISO/IEC 9075-5

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 7.1, “<routine invocation>”	Subclause 8.1, "<routine invocation>"	ISO/IEC 9075-5
Clause 8, “Embedded SQL”	Clause 16, "Embedded SQL"	ISO/IEC 9075-5
Subclause 8.1, “<embedded SQL host program>”	Subclause 16.1, "<embedded SQL host program>"	ISO/IEC 9075-5
Subclause 8.2, “<embedded SQL Java program>”	*(none)*	*(none)*
Clause 9, “Binary portability”	*(none)*	*(none)*
Subclause 9.1, “Components of binary portable applications”	*(none)*	*(none)*
Subclause 9.2, “Naming runtime components”	*(none)*	*(none)*
Subclause 9.3, “Binary portability requirements”	*(none)*	*(none)*
Subclause 9.4, “Profile overview”	*(none)*	*(none)*
Subclause 9.5, “Profile generation and naming”	*(none)*	*(none)*
Subclause 9.5.1, “Example”	*(none)*	*(none)*
Subclause 9.6, “SQLJ application packaging”	*(none)*	*(none)*
Subclause 9.6.1, “Example”	*(none)*	*(none)*
Subclause 9.7, “Profile customization overview”	*(none)*	*(none)*
Subclause 9.7.1, “Profile customization process”	*(none)*	*(none)*
Subclause 9.7.2, “Profile customization utilities”	*(none)*	*(none)*
Subclause 9.7.3, “Profile customizer interface”	*(none)*	*(none)*
Subclause 9.8, “Customization interface”	*(none)*	*(none)*
Subclause 9.8.1, “Customization usage”	*(none)*	*(none)*
Subclause 9.8.2, “Customization registration”	*(none)*	*(none)*
Subclause 9.9, “EntryInfo overview”	*(none)*	*(none)*
Subclause 9.10, “TypeInfo overview”	*(none)*	*(none)*

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Subclause 9.11, "SQLJ datatype properties"	*(none)*	*(none)*
Clause 10, "SQLJ grammar constructs"	*(none)*	*(none)*
Subclause 10.1, "Grammar notation"	*(none)*	*(none)*
Subclause 10.2, "Keyword and SQL <token> case sensitivity rules"	*(none)*	*(none)*
Subclause 10.3, "Commenting rules"	*(none)*	*(none)*
Subclause 10.4, "SQLJ reserved names"	*(none)*	*(none)*
Subclause 10.4.1, "Temporary variable names"	*(none)*	*(none)*
Subclause 10.4.2, "Class and resource file names"	*(none)*	*(none)*
Subclause 10.4.2.1, "Internal classes"	*(none)*	*(none)*
Subclause 10.4.2.2, "Resource files and profiles"	*(none)*	*(none)*
Subclause 10.5, "Clause structure"	*(none)*	*(none)*
Subclause 10.6, "Common subelements"	*(none)*	*(none)*
Subclause 10.6.1, "<modifiers>"	*(none)*	*(none)*
Subclause 10.6.2, "<java class name>"	*(none)*	*(none)*
Subclause 10.6.3, "<java id>"	*(none)*	*(none)*
Subclause 10.6.4, "<java datatype>"	*(none)*	*(none)*
Subclause 10.6.5, "<java constant expression>"	*(none)*	*(none)*
Subclause 10.6.6, "<embedded Java expression>"	*(none)*	*(none)*
Subclause 10.6.7, "<implements clause>"	*(none)*	*(none)*
Subclause 10.6.8, "<declaration with clause>"	*(none)*	*(none)*
Clause 11, "<SQLJ specific clause> and contents"	*(none)*	*(none)*
Subclause 11.1, "<SQLJ specific clause>"	*(none)*	*(none)*

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Subclause 11.2, “<connection declaration clause>”	*(none)*	*(none)*
Subclause 11.3, “Generated connection class”	*(none)*	*(none)*
Subclause 11.4, “<iterator declaration clause>”	*(none)*	*(none)*
Subclause 11.5, “<positioned iterator>”	*(none)*	*(none)*
Subclause 11.6, “Generated positioned iterator class”	*(none)*	*(none)*
Subclause 11.7, “<named iterator>”	*(none)*	*(none)*
Subclause 11.8, “Generated named iterator class”	*(none)*	*(none)*
Subclause 11.9, “<executable clause>”	*(none)*	*(none)*
Subclause 11.10, “<context clause>”	*(none)*	*(none)*
Subclause 11.11, “<statement clause>”	*(none)*	*(none)*
Subclause 11.12, “<delete statement: positioned>”	Subclause 14.6, "<delete statement: positioned>"	ISO/IEC 9075-2
Subclause 11.13, “<update statement: positioned>”	Subclause 14.9, "<update statement: positioned>"	ISO/IEC 9075-2
Subclause 11.14, “<select statement: single row>”	Subclause 14.5, "<select statement: single row>"	ISO/IEC 9075-2
Subclause 11.15, “<fetch statement>”	Subclause 14.3, "<fetch statement>"	ISO/IEC 9075-2
Subclause 11.16, “<assignment statement>”	Subclause 13.5, "<assignment statement>"	ISO/IEC 9075-4
Subclause 11.17, “<commit statement>”	Subclause 16.6, "<commit statement>"	ISO/IEC 9075-2
Subclause 11.18, “<rollback statement>”	Subclause 16.7, "<rollback statement>"	ISO/IEC 9075-2
Subclause 11.19, “<set transaction statement>”	Subclause 16.2, "<set transaction statement>"	ISO/IEC 9075-2
Subclause 11.20, “<call statement>”	Subclause 15.1, "<call statement>"	ISO/IEC 9075-2
Subclause 11.21, “<assignment clause>”	*(none)*	*(none)*
Subclause 11.22, “<query clause>”	*(none)*	*(none)*

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Subclause 11.23, "<function clause>"	*(none)*	*(none)*
Subclause 11.24, "<iterator conversion clause>"	*(none)*	*(none)*
Clause 12, "Additional features"	*(none)*	*(none)*
Subclause 12.1, "SQL blocks"	*(none)*	*(none)*
Subclause 12.2, "sqlj . runtime . ExecutionContext"	*(none)*	*(none)*
Clause 13, "Package sqlj . runtime"	*(none)*	*(none)*
Subclause 13.1, "SQLJ runtime interfaces"	*(none)*	*(none)*
Subclause 13.1.1, "sqlj . runtime . ConnectionContext"	*(none)*	*(none)*
Subclause 13.1.1.1, "Variables"	*(none)*	*(none)*
Subclause 13.1.1.1.1, "CLOSE_ CONNECTION"	*(none)*	*(none)*
Subclause 13.1.1.1.2, "KEEP_ CONNECTION"	*(none)*	*(none)*
Subclause 13.1.1.2, "Methods"	*(none)*	*(none)*
Subclause 13.1.1.2.1, "close ()"	*(none)*	*(none)*
Subclause 13.1.1.2.2, "close (boolean)"	*(none)*	*(none)*
Subclause 13.1.1.2.3, "getConnectedProfile (Object)"	*(none)*	*(none)*
Subclause 13.1.1.2.4, "getConnection ()"	*(none)*	*(none)*
Subclause 13.1.1.2.5, "getExecutionContext ()"	*(none)*	*(none)*
Subclause 13.1.1.2.6, "isClosed ()"	*(none)*	*(none)*
Subclause 13.1.2, "sqlj . runtime . ForUpdate"	*(none)*	*(none)*
Subclause 13.1.2.1, "Methods"	*(none)*	*(none)*
Subclause 13.1.2.1.1, "getCursorName ()"	*(none)*	*(none)*
Subclause 13.1.3, "sqlj . runtime . NamedIterator"	*(none)*	*(none)*
Subclause 13.1.4, "sqlj . runtime . PositionedIterator"	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 13.1.4.1, "Methods"	*(none)*	*(none)*
Subclause 13.1.4.1.1, "endFetch ()"	*(none)*	*(none)*
Subclause 13.1.5, "sqlj . runtime . ResultSetIterator"	*(none)*	*(none)*
Subclause 13.1.5.1, "Variables"	*(none)*	*(none)*
Subclause 13.1.5.1.1, "ASENSITIVE"	*(none)*	*(none)*
Subclause 13.1.5.1.2, "FETCH_ FORWARD"	*(none)*	*(none)*
Subclause 13.1.5.1.3, "FETCH_ REVERSE"	*(none)*	*(none)*
Subclause 13.1.5.1.4, "FETCH_ UNKNOWN"	*(none)*	*(none)*
Subclause 13.1.5.1.5, "INSENSITIVE"	*(none)*	*(none)*
Subclause 13.1.5.1.6, "SENSITIVE"	*(none)*	*(none)*
Subclause 13.1.5.2, "Methods"	*(none)*	*(none)*
Subclause 13.1.5.2.1, "clearWarnings ()"	*(none)*	*(none)*
Subclause 13.1.5.2.2, "close ()"	*(none)*	*(none)*
Subclause 13.1.5.2.3, "getFetchSize ()"	*(none)*	*(none)*
Subclause 13.1.5.2.4, "getResultSet ()"	*(none)*	*(none)*
Subclause 13.1.5.2.5, "getRow ()"	*(none)*	*(none)*
Subclause 13.1.5.2.6, "getSensitivity ()"	*(none)*	*(none)*
Subclause 13.1.5.2.7, "getWarnings ()"	*(none)*	*(none)*
Subclause 13.1.5.2.8, "isClosed ()"	*(none)*	*(none)*
Subclause 13.1.5.2.9, "next ()"	*(none)*	*(none)*
Subclause 13.1.5.2.10, "setFetchSize (int)"	*(none)*	*(none)*
Subclause 13.1.6, "sqlj . runtime . Scrollable"	*(none)*	*(none)*
Subclause 13.1.6.1, "Variables"	*(none)*	*(none)*
Subclause 13.1.6.2, "Methods"	*(none)*	*(none)*

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Subclause 13.1.6.2.1, "absolute (int)"	*(none)*	*(none)*
Subclause 13.1.6.2.2, "afterLast ()"	*(none)*	*(none)*
Subclause 13.1.6.2.3, "beforeFirst ()"	*(none)*	*(none)*
Subclause 13.1.6.2.4, "first ()"	*(none)*	*(none)*
Subclause 13.1.6.2.5, "getFetchDirection ()"	*(none)*	*(none)*
Subclause 13.1.6.2.6, "isAfterLast ()"	*(none)*	*(none)*
Subclause 13.1.6.2.7, "isBeforeFirst ()"	*(none)*	*(none)*
Subclause 13.1.6.2.8, "isFirst ()"	*(none)*	*(none)*
Subclause 13.1.6.2.9, "isLast ()"	*(none)*	*(none)*
Subclause 13.1.6.2.10, "last ()"	*(none)*	*(none)*
Subclause 13.1.6.2.11, "previous ()"	*(none)*	*(none)*
Subclause 13.1.6.2.12, "relative (int)"	*(none)*	*(none)*
Subclause 13.1.6.2.13, "setFetchDirection (int)"	*(none)*	*(none)*
Subclause 13.2, "SQLJ Runtime Classes"	*(none)*	*(none)*
Subclause 13.2.1.1, "Constructors"	*(none)*	*(none)*
Subclause 13.2.1, "sqlj . runtime . AsciiStream"	*(none)*	*(none)*
Subclause 13.2.1.1.1, "AsciiStream (InputStream)"	*(none)*	*(none)*
Subclause 13.2.1.1.2, "AsciiStream (InputStream, int)"	*(none)*	*(none)*
Subclause 13.2.2, "sqlj . runtime . BinaryStream"	*(none)*	*(none)*
Subclause 13.2.2.1, "Constructors"	*(none)*	*(none)*
Subclause 13.2.2.1.1, "BinaryStream (InputStream)"	*(none)*	*(none)*
Subclause 13.2.2.1.2, "BinaryStream (InputStream, int)"	*(none)*	*(none)*
Subclause 13.2.3, "sqlj . runtime . DefaultRuntime"	*(none)*	*(none)*
Subclause 13.2.3.1, "Constructors"	*(none)*	*(none)*

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Subclause 13.2.3.1.1, "Default-Runtime ()"	*(none)*	*(none)*
Subclause 13.2.3.2, "Methods"	*(none)*	*(none)*
Subclause 13.2.3.2.1, "getDefault-Connection ()"	*(none)*	*(none)*
Subclause 13.2.3.2.2, "getLoaderFor-Class (Class)"	*(none)*	*(none)*
Subclause 13.2.4, "sqlj . runtime . ExecutionContext"	*(none)*	*(none)*
Subclause 13.2.4.1, "Variables"	*(none)*	*(none)*
Subclause 13.2.4.1.1, "ADD_ BATCH_COUNT"	*(none)*	*(none)*
Subclause 13.2.4.1.2, "AUTO_ BATCH"	*(none)*	*(none)*
Subclause 13.2.4.1.3, "EXEC_ BATCH_COUNT"	*(none)*	*(none)*
Subclause 13.2.4.1.4, "EXCEP-TION_COUNT"	*(none)*	*(none)*
Subclause 13.2.4.1.5, "NEW_ BATCH_COUNT"	*(none)*	*(none)*
Subclause 13.2.4.1.6, "QUERY_ COUNT"	*(none)*	*(none)*
Subclause 13.2.4.1.7, "UNLIM-ITED_BATCH"	*(none)*	*(none)*
Subclause 13.2.4.2, "Constructors"	*(none)*	*(none)*
Subclause 13.2.4.2.1, "Execution-Context ()"	*(none)*	*(none)*
Subclause 13.2.4.3, "Methods"	*(none)*	*(none)*
Subclause 13.2.4.3.1, "cancel ()"	*(none)*	*(none)*
Subclause 13.2.4.3.2, "execute ()"	*(none)*	*(none)*
Subclause 13.2.4.3.3, "executeBatch ()"	*(none)*	*(none)*
Subclause 13.2.4.3.4, "executeQuery ()"	*(none)*	*(none)*
Subclause 13.2.4.3.5, "executeUp-date ()"	*(none)*	*(none)*
Subclause 13.2.4.3.6, "getBatch-Limit ()"	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 13.2.4.3.7, "getBatchUpdateCounts ()"	*(none)*	*(none)*
Subclause 13.2.4.3.8, "getFetchDirection ()"	*(none)*	*(none)*
Subclause 13.2.4.3.9, "getFetchSize ()"	*(none)*	*(none)*
Subclause 13.2.4.3.10, "getMaxFieldSize ()"	*(none)*	*(none)*
Subclause 13.2.4.3.11, "getMaxRows ()"	*(none)*	*(none)*
Subclause 13.2.4.3.12, "getNextResultSet ()"	*(none)*	*(none)*
Subclause 13.2.4.3.13, "getQueryTimeout ()"	*(none)*	*(none)*
Subclause 13.2.4.3.14, "getUpdateCount ()"	*(none)*	*(none)*
Subclause 13.2.4.3.15, "getWarnings ()"	*(none)*	*(none)*
Subclause 13.2.4.3.16, "isBatching ()"	*(none)*	*(none)*
Subclause 13.2.4.3.17, "registerStatement (ConnectionContext, Object, int)"	*(none)*	*(none)*
Subclause 13.2.4.3.18, "releaseStatement ()"	*(none)*	*(none)*
Subclause 13.2.4.3.19, "setBatching (boolean)"	*(none)*	*(none)*
Subclause 13.2.4.3.20, "setBatchLimit (int)"	*(none)*	*(none)*
Subclause 13.2.4.3.21, "setFetchDirection (int)"	*(none)*	*(none)*
Subclause 13.2.4.3.22, "setFetchSize (int)"	*(none)*	*(none)*
Subclause 13.2.4.3.23, "setMaxFieldSize (int)"	*(none)*	*(none)*
Subclause 13.2.4.3.24, "setMaxRows (int)"	*(none)*	*(none)*
Subclause 13.2.4.3.25, "setQueryTimeout (int)"	*(none)*	*(none)*

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Subclause 13.2.5, "sqlj . runtime . RuntimeContext"	*(none)*	*(none)*
Subclause 13.2.5.1, "Variables"	*(none)*	*(none)*
Subclause 13.2.5.1.1, "DEFAULT_ DATA_SOURCE"	*(none)*	*(none)*
Subclause 13.2.5.1.2, "DEFAULT_ RUNTIME"	*(none)*	*(none)*
Subclause 13.2.5.1.3, "PROPERTY_ KEY"	*(none)*	*(none)*
Subclause 13.2.5.2, "Constructors"	*(none)*	*(none)*
Subclause 13.2.5.2.1, "Runtime-Context ()"	*(none)*	*(none)*
Subclause 13.2.5.3, "Methods"	*(none)*	*(none)*
Subclause 13.2.5.3.1, "getDefault-Connection ()"	*(none)*	*(none)*
Subclause 13.2.5.3.2, "getLoaderFor-Class (Class)"	*(none)*	*(none)*
Subclause 13.2.5.3.3, "getRuntime ()"	*(none)*	*(none)*
Subclause 13.2.6, "sqlj . runtime . StreamWrapper"	*(none)*	*(none)*
Subclause 13.2.6.1, "Constructors"	*(none)*	*(none)*
Subclause 13.2.6.1.1, "Stream-Wrapper (InputStream)"	*(none)*	*(none)*
Subclause 13.2.6.1.2, "Stream-Wrapper (InputStream, int)"	*(none)*	*(none)*
Subclause 13.2.6.2, "Methods"	*(none)*	*(none)*
Subclause 13.2.6.2.1, "getInput-Stream ()"	*(none)*	*(none)*
Subclause 13.2.6.2.2, "getLength ()"	*(none)*	*(none)*
Subclause 13.2.6.2.3, "setLength (int)"	*(none)*	*(none)*
Subclause 13.2.7, "sqlj . runtime . UnicodeStream"	*(none)*	*(none)*
Subclause 13.2.7.1, "Constructors"	*(none)*	*(none)*
Subclause 13.2.7.1.1, "Unicode-Stream (InputStream)"	*(none)*	*(none)*

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Subclause 13.2.7.1.2, "Unicode-Stream (InputStream, int)"	*(none)*	*(none)*
Subclause 13.2.8, "sqlj . runtime . CharacterStream"	*(none)*	*(none)*
Subclause 13.2.8.1, "Constructors"	*(none)*	*(none)*
Subclause 13.2.8.1.1, "Character-Stream (Reader)"	*(none)*	*(none)*
Subclause 13.2.8.1.2, "Character-Stream (Reader, int)"	*(none)*	*(none)*
Subclause 13.2.8.2, "Methods"	*(none)*	*(none)*
Subclause 13.2.8.2.1, "getReader ()"	*(none)*	*(none)*
Subclause 13.2.8.2.2, "getLength ()"	*(none)*	*(none)*
Subclause 13.2.8.2.3, "setLength (int)"	*(none)*	*(none)*
Subclause 13.2.9, "sqlj . runtime . SQLNullException"	*(none)*	*(none)*
Subclause 13.2.9.1, "Constructors"	*(none)*	*(none)*
Subclause 13.2.9.1.1, "SQLNull-Exception ()"	*(none)*	*(none)*
Clause 14, "Package sqlj . runtime . profile"	*(none)*	*(none)*
Subclause 14.1, "SQLJ sqlj . runtime . profile Interfaces"	*(none)*	*(none)*
Subclause 14.1.1, "sqlj . runtime . profile . BatchContext"	*(none)*	*(none)*
Subclause 14.1.1.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.1.1.1, "clearBatch ()"	*(none)*	*(none)*
Subclause 14.1.1.1.2, "executeBatch ()"	*(none)*	*(none)*
Subclause 14.1.1.1.3, "setBatchLimit (int)"	*(none)*	*(none)*
Subclause 14.1.2, "sqlj . runtime . profile . ConnectedProfile"	*(none)*	*(none)*
Subclause 14.1.2.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.2.1.1, "close ()"	*(none)*	*(none)*
Subclause 14.1.2.1.2, "getConnection ()"	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 14.1.2.1.3, "getProfileData ()"	*(none)*	*(none)*
Subclause 14.1.2.1.4, "getStatement (int, Map)"	*(none)*	*(none)*
Subclause 14.1.2.1.5, "getStatement (int, BatchContext, Map)"	*(none)*	*(none)*
Subclause 14.1.3, "sqlj . runtime . profile . Customization"	*(none)*	*(none)*
Subclause 14.1.3.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.3.1.1, "acceptsConnection (Connection)"	*(none)*	*(none)*
Subclause 14.1.3.1.2, "getProfile (Connection, Profile)"	*(none)*	*(none)*
Subclause 14.1.4, "sqlj . runtime . profile . Loader"	*(none)*	*(none)*
Subclause 14.1.4.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.4.1.1, "getResourceAsStream (String)"	*(none)*	*(none)*
Subclause 14.1.4.1.2, "loadClass (String)"	*(none)*	*(none)*
Subclause 14.1.5, "sqlj . runtime . profile . RTResultSet"	*(none)*	*(none)*
Subclause 14.1.5.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.5.1.1, "clearWarnings ()"	*(none)*	*(none)*
Subclause 14.1.5.1.2, "close ()"	*(none)*	*(none)*
Subclause 14.1.5.1.3, "findColumn (String)"	*(none)*	*(none)*
Subclause 14.1.5.1.4, "getAsciiStreamWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.5, "getBigDecimal (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.6, "getBinaryStreamWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.7, "getBlob (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.8, "getBooleanNoNull (int)"	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 14.1.5.1.9, "getBoolean-Wrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.10, "get-ByteNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.11, "getBytes (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.12, "get-ByteWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.13, "getCharac-terStreamWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.14, "getClob (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.15, "getColumn-Count ()"	*(none)*	*(none)*
Subclause 14.1.5.1.16, "getCursor-Name ()"	*(none)*	*(none)*
Subclause 14.1.5.1.17, "getDate (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.18, "getDou-bleNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.19, "getDou-bleWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.20, "getFloat-NoNull (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.21, "get-FloatWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.22, "getInt-NoNull (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.23, "getIntWrap-per (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.24, "getJDBCRe-sultSet ()"	*(none)*	*(none)*
Subclause 14.1.5.1.25, "get-LongNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.26, "getLong-Wrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.27, "getObject (int, Class)"	*(none)*	*(none)*
Subclause 14.1.5.1.28, "getRef (int)"	*(none)*	*(none)*

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Table 1—Clause, Subclause, and Table relationships (Cont.)

Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 14.1.5.1.29, "getShortNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.30, "getShortWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.31, "getString (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.32, "getTime (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.33, "getTimestamp (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.34, "getUnicodeStreamWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.5.1.35, "getWarnings ()"	*(none)*	*(none)*
Subclause 14.1.5.1.36, "isClosed ()"	*(none)*	*(none)*
Subclause 14.1.5.1.37, "isValidRow ()"	*(none)*	*(none)*
Subclause 14.1.5.1.38, "next ()"	*(none)*	*(none)*
Subclause 14.1.6, "sqlj . runtime . profile . RTStatement"	*(none)*	*(none)*
Subclause 14.1.6.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.6.1.1, "cancel ()"	*(none)*	*(none)*
Subclause 14.1.6.1.2, "clearWarnings ()"	*(none)*	*(none)*
Subclause 14.1.6.1.3, "execute ()"	*(none)*	*(none)*
Subclause 14.1.6.1.4, "executeComplete ()"	*(none)*	*(none)*
Subclause 14.1.6.1.5, "executeRTQuery ()"	*(none)*	*(none)*
Subclause 14.1.6.1.6, "executeUpdate ()"	*(none)*	*(none)*
Subclause 14.1.6.1.7, "getBatchContext ()"	*(none)*	*(none)*
Subclause 14.1.6.1.8, "getBigDecimal (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.9, "getBlob (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.10, "getBooleanNoNull (int)"	*(none)*	*(none)*

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Table 1—Clause, Subclause, and Table relationships (Cont.)

Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 14.1.6.1.11, "getBoolean-Wrapper (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.12, "get-ByteNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.13, "getBytes (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.14, "get-ByteWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.15, "getClob (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.16, "getDate (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.17, "getDou-bleNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.18, "getDou-bleWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.19, "getFloat-NoNull (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.20, "get-FloatWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.21, "getInt-NoNull (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.22, "getIntWrap-per (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.23, "getJDBC-CallableStatement ()"	*(none)*	*(none)*
Subclause 14.1.6.1.24, "getJD-BCPreparedStatement ()"	*(none)*	*(none)*
Subclause 14.1.6.1.25, "get-LongNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.26, "getLong-Wrapper (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.27, "getMax-FieldSize ()"	*(none)*	*(none)*
Subclause 14.1.6.1.28, "getMaxRows ()"	*(none)*	*(none)*
Subclause 14.1.6.1.29, "getMoreRe-sults ()"	*(none)*	*(none)*
Subclause 14.1.6.1.30, "getObject (int, Class)"	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 14.1.6.1.31, "getQueryTimeout ()"	*(none)*	*(none)*
Subclause 14.1.6.1.32, "getRef (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.33, "getResultSet ()"	*(none)*	*(none)*
Subclause 14.1.6.1.34, "getShortNoNull (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.35, "getShortWrapper (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.36, "getString (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.37, "getTime (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.38, "getTimestamp (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.39, "getUpdateCount ()"	*(none)*	*(none)*
Subclause 14.1.6.1.40, "getWarnings ()"	*(none)*	*(none)*
Subclause 14.1.6.1.41, "isBatchable ()"	*(none)*	*(none)*
Subclause 14.1.6.1.42, "isBatchCompatible ()"	*(none)*	*(none)*
Subclause 14.1.6.1.43, "setAsciiStreamWrapper (int, AsciiStream)"	*(none)*	*(none)*
Subclause 14.1.6.1.44, "setBigDecimal (int, BigDecimal)"	*(none)*	*(none)*
Subclause 14.1.6.1.45, "setBinaryStreamWrapper (int, BinaryStream)"	*(none)*	*(none)*
Subclause 14.1.6.1.46, "setBlob (int, Blob)"	*(none)*	*(none)*
Subclause 14.1.6.1.47, "setBoolean (int, boolean)"	*(none)*	*(none)*
Subclause 14.1.6.1.48, "setBooleanWrapper (int, Boolean)"	*(none)*	*(none)*
Subclause 14.1.6.1.49, "setByte (int, byte)"	*(none)*	*(none)*
Subclause 14.1.6.1.50, "setBytes (int, byte)"	*(none)*	*(none)*

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Clause, Subclause, or Table in this part of ISO/IEC 9075	Corresponding Clause, Subclause, or Table from another part	Part containing correspondence
Subclause 14.1.6.1.51, "setByteWrapper (int, Byte)"	*(none)*	*(none)*
Subclause 14.1.6.1.52, "setCharacterStreamWrapper (int, CharacterStream)"	*(none)*	*(none)*
Subclause 14.1.6.1.53, "setClob (int, Clob)"	*(none)*	*(none)*
Subclause 14.1.6.1.54, "setDate (int, Date)"	*(none)*	*(none)*
Subclause 14.1.6.1.55, "setDouble (int, double)"	*(none)*	*(none)*
Subclause 14.1.6.1.56, "setDoubleWrapper (int, Double)"	*(none)*	*(none)*
Subclause 14.1.6.1.57, "setFloat (int, float)"	*(none)*	*(none)*
Subclause 14.1.6.1.58, "setFloatWrapper (int, Float)"	*(none)*	*(none)*
Subclause 14.1.6.1.59, "setInt (int, int)"	*(none)*	*(none)*
Subclause 14.1.6.1.60, "setIntWrapper (int, Integer)"	*(none)*	*(none)*
Subclause 14.1.6.1.61, "setLong (int, long)"	*(none)*	*(none)*
Subclause 14.1.6.1.62, "setLongWrapper (int, Long)"	*(none)*	*(none)*
Subclause 14.1.6.1.63, "setMaxFieldSize (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.64, "setMaxRows (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.65, "setObject ()"	*(none)*	*(none)*
Subclause 14.1.6.1.66, "setQueryTimeout (int)"	*(none)*	*(none)*
Subclause 14.1.6.1.67, "setRef (int, Ref)"	*(none)*	*(none)*
Subclause 14.1.6.1.68, "setShort (int, short)"	*(none)*	*(none)*
Subclause 14.1.6.1.69, "setShortWrapper (int, Short)"	*(none)*	*(none)*
Subclause 14.1.6.1.70, "setString (int, String)"	*(none)*	*(none)*

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Subclause 14.1.6.1.71, "setTime (int, Time)"	*(none)*	*(none)*
Subclause 14.1.6.1.72, "setTimestamp (int, Timestamp)"	*(none)*	*(none)*
Subclause 14.1.6.1.73, "setUnicodeStreamWrapper (int, UnicodeStream)"	*(none)*	*(none)*
Subclause 14.1.7, "sqlj . runtime . profile . SerializedProfile"	*(none)*	*(none)*
Subclause 14.1.7.1, "Methods"	*(none)*	*(none)*
Subclause 14.1.7.1.1, "getProfileAsStream ()"	*(none)*	*(none)*
Subclause 14.2, "SQLJ sqlj . runtime . profile Classes"	*(none)*	*(none)*
Subclause 14.2.1, "sqlj . runtime . profile . DefaultLoader"	*(none)*	*(none)*
Subclause 14.2.1.1, "Constructors"	*(none)*	*(none)*
Subclause 14.2.1.1.1, "DefaultLoader (ClassLoader)"	*(none)*	*(none)*
Subclause 14.2.1.2, "Methods"	*(none)*	*(none)*
Subclause 14.2.1.2.1, "getResourceAsStream (String)"	*(none)*	*(none)*
Subclause 14.2.1.2.2, "loadClass (String)"	*(none)*	*(none)*
Subclause 14.2.2, "sqlj . runtime . profile . EntryInfo"	*(none)*	*(none)*
Subclause 14.2.2.1, "Variables"	*(none)*	*(none)*
Subclause 14.2.2.1.1, "BLOCK"	*(none)*	*(none)*
Subclause 14.2.2.1.2, "CALL"	*(none)*	*(none)*
Subclause 14.2.2.1.3, "CALLABLE_STATEMENT"	*(none)*	*(none)*
Subclause 14.2.2.1.4, "COMMIT"	*(none)*	*(none)*
Subclause 14.2.2.1.5, "EXECUTE"	*(none)*	*(none)*
Subclause 14.2.2.1.6, "EXECUTE_QUERY"	*(none)*	*(none)*
Subclause 14.2.2.1.7, "EXECUTE_UPDATE"	*(none)*	*(none)*

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Subclause 14.2.2.1.8, "ITERATOR_CONVERSION"	*(none)*	*(none)*
Subclause 14.2.2.1.9, "NAMED_RESULT"	*(none)*	*(none)*
Subclause 14.2.2.1.10, "NO_RESULT"	*(none)*	*(none)*
Subclause 14.2.2.1.11, "OTHER"	*(none)*	*(none)*
Subclause 14.2.2.1.12, "POSITIONED"	*(none)*	*(none)*
Subclause 14.2.2.1.13, "POSITIONED_RESULT"	*(none)*	*(none)*
Subclause 14.2.2.1.14, "PREPARED_STATEMENT"	*(none)*	*(none)*
Subclause 14.2.2.1.15, "QUERY"	*(none)*	*(none)*
Subclause 14.2.2.1.16, "QUERY_FOR_UPDATE"	*(none)*	*(none)*
Subclause 14.2.2.1.17, "ROLLBACK"	*(none)*	*(none)*
Subclause 14.2.2.1.18, "SET_TRANSACTION"	*(none)*	*(none)*
Subclause 14.2.2.1.19, "SINGLE_ROW_QUERY"	*(none)*	*(none)*
Subclause 14.2.2.1.20, "STATEMENT"	*(none)*	*(none)*
Subclause 14.2.2.1.21, "UNTYPED_SELECT"	*(none)*	*(none)*
Subclause 14.2.2.1.22, "VALUES"	*(none)*	*(none)*
Subclause 14.2.2.2, "Constructors"	*(none)*	*(none)*
Subclause 14.2.2.2.1, "EntryInfo ()"	*(none)*	*(none)*
Subclause 14.2.2.3, "Methods"	*(none)*	*(none)*
Subclause 14.2.2.3.1, "executeTypeToString (int)"	*(none)*	*(none)*
Subclause 14.2.2.3.2, "getDescriptor ()"	*(none)*	*(none)*
Subclause 14.2.2.3.3, "getExecuteType ()"	*(none)*	*(none)*
Subclause 14.2.2.3.4, "getLineNumber ()"	*(none)*	*(none)*

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