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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12991.1-2008

Replacing GB/T 12991-1991

**Information technology -- Database languages-SQL -- Part 1:
framework**

信息技术 数据库语言 SQL 第1部分: 框架
(English Translation)

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Foreword

GB/T 12991 in the "Information Technology Database Language SQL" general heading is divided into nine sections.

--- Part 1. Framework;

--- Part 2. Basic;

--- Part 3. Call Level Interface;

--- Part 4. Persistent Stored Modules;

--- Part 9. Management of External Data;

--- Part 10. Object Language Bindings;

--- Part 11. Information and Custom mode;

Part --- Article 13. SQL routines and types using the Java programming language;

--- Part 14. related specifications and XML.

e) Chapter 5, "GB/T 12991 in the Description of each", according to the concept of Chapter 4, "concept" described summarized GB/T 12991 the basic contents of each section.

f) Chapter 6, "GB/T 12991 in all other parts used in the notation and conventions," the definition of GB/T 12991 for use in other parts of the Notation and conventions.

g) Chapter 7, "Appendix GB/T 12991 in various parts of", GB/T 12991 in other parts of the appendix related description.

h) Chapter 8, "Compliance", description of GB/T 12991 in whole or in part to meet the compliance requirements to be attained.

i) Appendix A "SQL maintenance of international standards and interpretations," are informative appendices. This appendix describes the maintenance and interpretation of ISO/IEC 9075 standard formal procedures.

j) Appendix B "implementation-defined elements", are informative appendices. This appendix lists the syntax GB/T 12991 in this section, Meaning, returning a result, the impact on SQL data and/or models, or any other act is partially or completely implementation-defined those features.

k) Appendix C "implementation-dependent element," are informative appendices. This appendix lists the syntax GB/T 12991 in this section, Meaning, returning a result, the impact on SQL data and/or models, or any other act is partially or completely implementation-dependent those features.

l) Appendix NA "GB/T 12991 standard development process" is a data appendix. The

appendix lists the GB/T 12991 development calendar Cheng and various differences between versions.

m) Reference describes some of the Unicode Standard and related links.

GB/T 12991.1-2008/ISO/IEC 9075-1:2003 IT database language SQL Part 1. Framework

1 Scope

GB/T 12991 This section describes the GB/T 12991 other part of the conceptual framework used in the provisions of the SQL syntax and Results SQL implementation process statement.

This section also defines the GB/T 12991 Other terms and notation partially used.

2 Normative references

The following documents contain provisions which, through reference GB/T 12991 in this section constitute provisions of this section. For dated references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 12991 all parts of the (ISO/IEC 9075:2003, IDT) GB/T 16262.1-2006 Information technology - Abstract Syntax Notation One (ASN.1) - Part 1. Specification of basic notation (ISO/IEC 8824-1:2002, IDT) ISO/IEC 10646:2003 Information technology - Universal Multiple-Octet Coded Character Set (UCS) ISO/IEC 14651:2001 Information technology - International string ordering and comparison compare strings and description of the common template tailorable Sorting method

3.1 Definitions

3.1.1

The definitions provided in the standard the following definitions apply GB /this part and other parts of the T 12991.

3.1.1.1

Can not be further divided.

3.1.1.2

Some may be of one or more subprograms executable code.

3.1.1.3

Set of values \u200b\u200bthat can be represented.

3.1.1.4

Coded representation of SQL objects. It includes a SQL all the information required to achieve compliance with the object.

3.1.1.5

All optional part with explicit instructions.

Note 1: For the fully qualified name uniquely identifies an object is not necessarily required. For example, although the directory name, the schema name and specific name composed entirely limit Given name uniquely identifies a specific routine, but it does not have to be a fully qualified name of the routine.

GB/T 12991.1-2008/ISO/IEC 9075-1:2003