SQL（Structured Query Language）構造化された問い合わせ言語（直訳）

クライアント

アプリ

SQLの命令 →

← 応答

サーバー

ファイル

DBMS

Ddata Base Management System
データベース管理システム
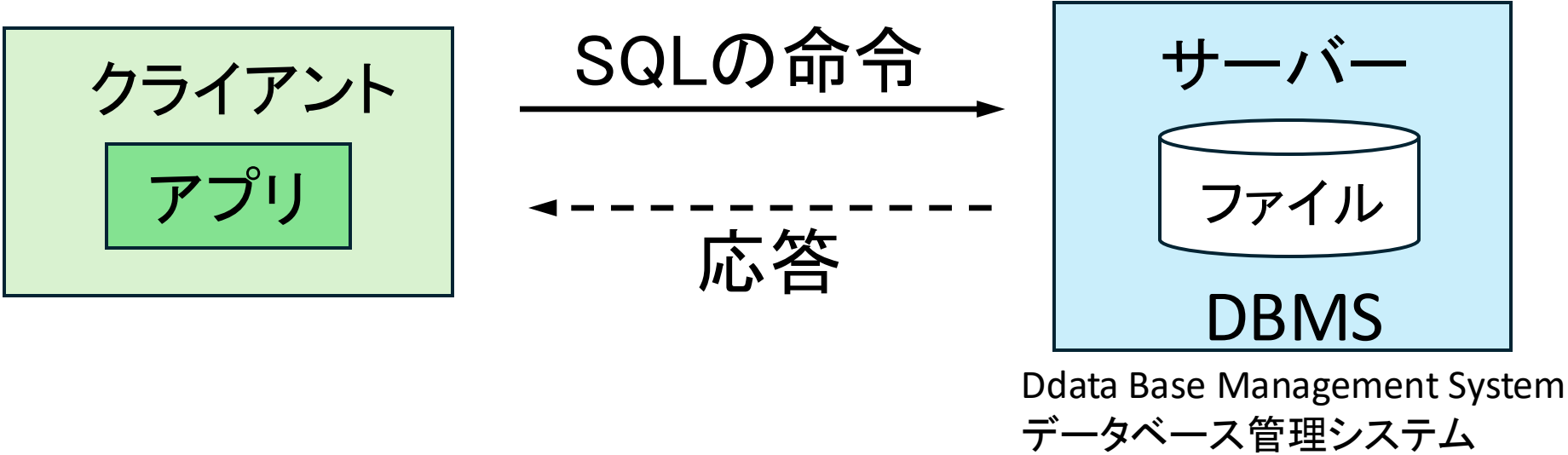
E-R（Entity-Relationship）図

実体　　　関連

ピーター・チェン氏の表記法
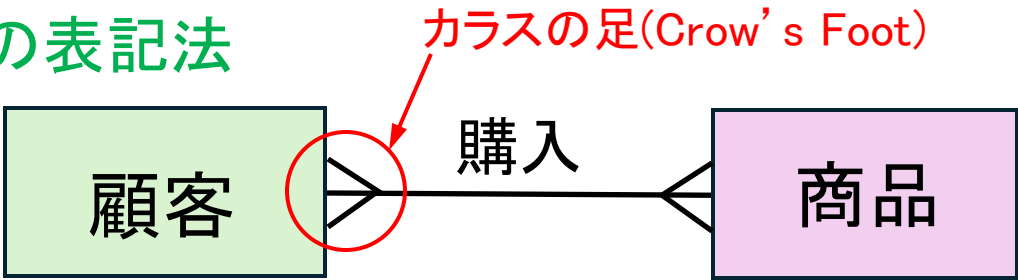
顧客 ―N― 購入 ―N― 商品

N: 多重度

IDEF1Xの表記法

顧客 ●――購入――● 商品

IEの表記法

カラスの足(Crow's Foot)

顧客 ――購入―― 商品

SQLiteのインストール

②下方にスクロールして、OSに合ったもの選択してダウンロードする
Windowsの場合2種類、Macの場合は1種類

①https://www.sqlite.org/ にアクセス
　→ Download クリック

SQLite
Small. Fast. Reliable.
Choose any three.

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What Is SQLite?

SQLite is a C-language library that implements a small, fast, self-contained, high-reliability, full-featured, SQL database engine. SQLite is the most used database engine in the world. SQLite is built into all mobile phones and most computers and comes bundled inside countless other applications that people use every day. More Information...

The SQLite file format is stable, cross-platform, and backwards compatible and the developers pledge to keep it that way through the year 2050. SQLite database files are commonly used as containers to transfer rich content between systems [1] [2] [3] and as a long-term archival format for data [4]. There are over 1 trillion (1e12) SQLite databases in active use [5].

SQLite source code is in the public-domain and is free to everyone to use for any purpose.

Latest Release

Version 3.50.2 (2025-06-28). [Download] [Prior Releases]

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SQLite Download Page

Source Code

sqlite-src-3500200.zip (13.73 MiB)　Complete canonical source tree for SQLite version 3.50.2, include test cases and extensions. This is a snapshot of all code under version control at the time of release. This is the urtext. All of the other source code bundles shown below are derived from this one. (SHA3-256: d84c61984b36bb9dfa3560f56241eca0f89571f587a6ff0f12346c00f4c6cf65)

sqlite-amalgamation-3500200.zip (2.71 MiB)　C source code as an amalgamation, version 3.50.2. (SHA3-256: 75c118e727ee6a953d2c0e7c577500b0c16a848d109027f087b915b671f61f8a)

sqlite-autoconf-3500200.tar.gz (3.03 MiB)　C source code as an amalgamation. Also includes a "configure" script. (SHA3-256: e4d2b4337988f479ec032ccff00963a9bbd24a3a0f0222b4e249653fa680b4c0)

sqlite-preprocessed-3500200.zip (2.82 MiB)　Preprocessed C sources for SQLite version 3.50.2. This is a legacy build product that is untested and unsupported. (SHA3-256: 02f1a094c6cb7d4cb255c72d0034944e7f6d0672e1950687fa3652f85846a7e6)

Precompiled Binaries for Mac OS X (x86)

sqlite-tools-osx-x64-3500200.zip (3.55 MiB)　A bundle of command-line tools for managing SQLite database files, including (1) the command-line shell, (2) sqldiff, (3) sqlite3_analyzer, and (4) sqlite3_rsync. (64-bit) (SHA3-256: 568ce828ab1757e45c4cc8b6b2aac236dbaf937b50573ec9062127429ada8b5e)

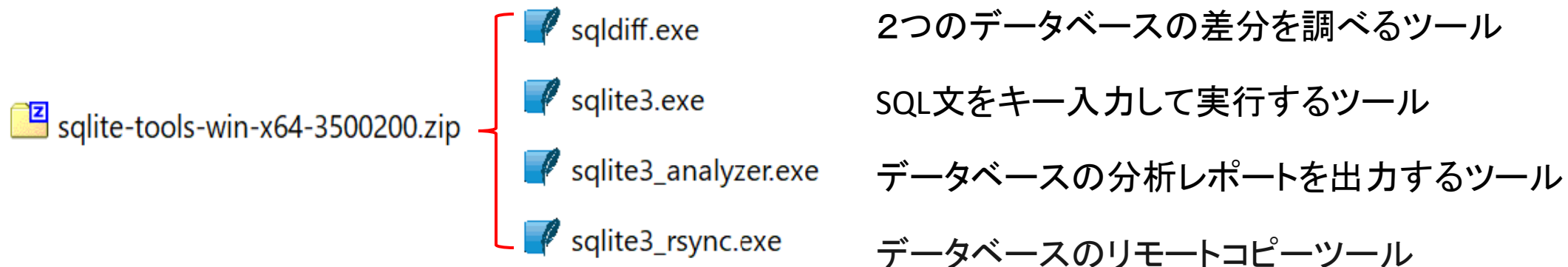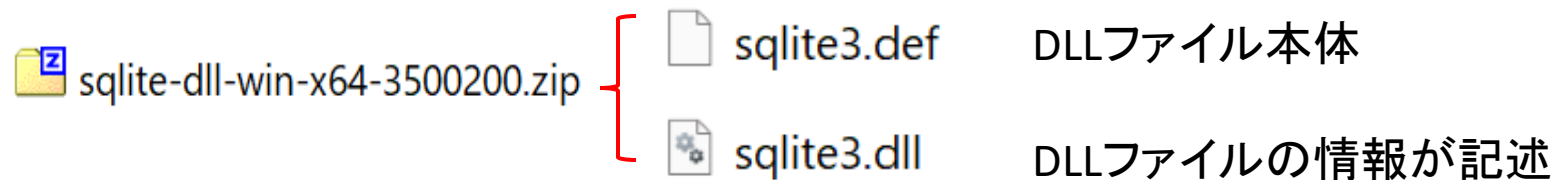### Precompiled Binaries for Windows

sqlite-dll-win-x86-3500200.zip (1.03 MiB)　32-bit DLL (x86) for SQLite version 3.50.2. (SHA3-256: e472917dd12b6e899a0ddd1418e13cec01ed1fb749b9b526b9378c6c8901d25b)

sqlite-dll-win-x64-3500200.zip (1.28 MiB)　64-bit DLL (x64) for SQLite version 3.50.2. (SHA3-256: 14a882d2e23bd633060953edf0ceb12885942e8c977bae166c6c7c1d010931c2)

sqlite-tools-win-x64-3500200.zip (6.13 MiB)　A bundle of command-line tools for managing SQLite database files, including (1) the command-line shell, (2) sqldiff.exe, (3) sqlite3_analyzer.exe, and (4) sqlite3_rsync.exe. 64-bit. (SHA3-256: a43e0b57d5107d617eb5da954f10cdcc644884d86d52a0b446aa306ed1f1e02a)

Precompiled Binaries for .NET

System.Data.SQLite　Visit the System.Data.SQLite.org website and especially the download page for source code and binaries of SQLite for .NET.

Windowsの場合

③ダウンロードしたzipファイルを展開すると実行ファイルが表示

sqlite-dll-win-x64-3500200.zip

sqlite3.def	DLLファイル本体
sqlite3.dll	DLLファイルの情報が記述

sqlite-tools-win-x64-3500200.zip

sqldiff.exe	2つのデータベースの差分を調べるツール
sqlite3.exe	SQL文をキー入力して実行するツール
sqlite3_analyzer.exe	データベースの分析レポートを出力するツール
sqlite3_rsync.exe	データベースのリモートコピーツール

Macの場合

sqlite-tools-osx-x64-3500200.zip

- sqldiff
- sqlite3
- sqlite3_analyzer
- sqlite3_rsync