DBMSs or Database Management Systems are collections of programs used to control access to data of a database, as well as manage the database structure. The purpose of the DBMS is to act as the go-between for the user and the database. The benefits of a DBMS include improved data sharing, improved data security, improved data access, better data integration, and minimized data inconsistencies (Coronel & Morris, 2019, p. 7).

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|  | **Current Version** | **Operating System** | **Cost** |
| **Microsoft SQL** | Server 2019 released November 4, 2019 | Linux, Windows | Express/ Dev: Free Standard: $3717 per core Enterprise $14,256 per core |
| **MySQL** | 8.0.19, released on 1/13/2020 | Linux, Solaris, macOS, Windows, FreeBSD | Community Edition: Free Enterprise Edition: $2000 - 60,000 |
| **Oracle** | 19C, released in November 2019 | Windows or Linux native, MacOS through a virtual machine | $5,800-47,500 per unit |
| **SQLite** | Version 3.31.1, created 1/27/2020 | Android, Linux, Mac OS, Windows, | Free. Perpetual license available for $6000 |

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|  | **Development Language** | **Licensing** | **Graphical Management Tools** | **Maximum Number of Records** |
| **Microsoft SQL** | C, C++ | Several levels of Licenses from developer to enterprise | Proprietary | 32,767 files per DB, 32,767 DB per instance |
| **MySQL** | C, C++ | 2 Levels, Community and Enterprise | Several, due to being open-sourced software | Unlimited |
| **Oracle** | C, C++, Java, COBOL, PL/SQL, and Visual Basic | 3 Editions with individual license fees associated | Proprietary | Unlimited |
| **SQLite** | C-Language | Public Domain | Several, due to being open-sourced software | "A little over 2 billion." |

**References**

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