Database solutions

Most popular database management systems in 2023

Marzena Nowakowska
Faculty of Management and Computer Modelling
Kielce University of Technology
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A Ranking of the Top 10 DBMS According to Developers: subsets of systems supporting relational model

Rank number	DBMS	Type	Operating systems	License	Written in	Architecture
1	PostgreSQL	RDBMS	FreeBSD, Linux, MacOS, OpenBSD and Windows	PostgreSQL license	C	Client-Server
2	MySQL	RDBMS	Canonical, FreeBSD, Linux, MacOS, Solaris and Windows	GNU GPL v2 and proprietary	C and C++	Client-Server
3	SQLite	RDBMS	Android, BSD, iOS, Linux, Mac, Solaris, VxWorks, and Windows	Public domain	C	Servless (no client-server)
4	Microsoft SQL Server	RDBMS	Linux and Windows	Proprietary	C and C++	Client-Server
8	MariaDB	RDBMS	Linux, MacOS and Windows	GNU GPL v2	Bash, C, C++, and Perl	Client-Server
10	Oracle DBMS	Multi-model database management system	AIX, BS2000, HP-UX, Linux, MacOS and Windows	Proprietary	Assembly language, C, and C++	Client-Server

A Ranking of the Top 10 DBMS According to Developers: subsets of systems **not supporting** relational model

Rank number	DBMS	Type	Operating systems	License	Written in	Architecture
5	**MongoDB**	Document-oriented	FreeBSD, Linux, MacOS and Windows	Server Side Public License	C++, JavaScript and Python	Client-Server
6	**Redis (Remote Dictionary Server)**	Key-value	Unix-like	BSD 3-clause	C	Client-Server
7	**Elasticsearch**	Document-oriented	Linux, MacOS, and Windows	Dual-licensed Elastic license and Server Side Public License	Java	Client-Server, Standalone server
9	**Amazon DynamoDB**	Key-value NoSQL	Linux, Windows, iOS, Android, Solaris, AIX, and HP-UX	Proprietary	Java	Serverless

Final remark

During this course only selected aspects were discussed, just to acquaint the students with the vocabulary.