
MySQL

데이터베이스(Database)



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(1) Database

(2) DBMS

- Oracle
- My-SQL
- MS-SQL

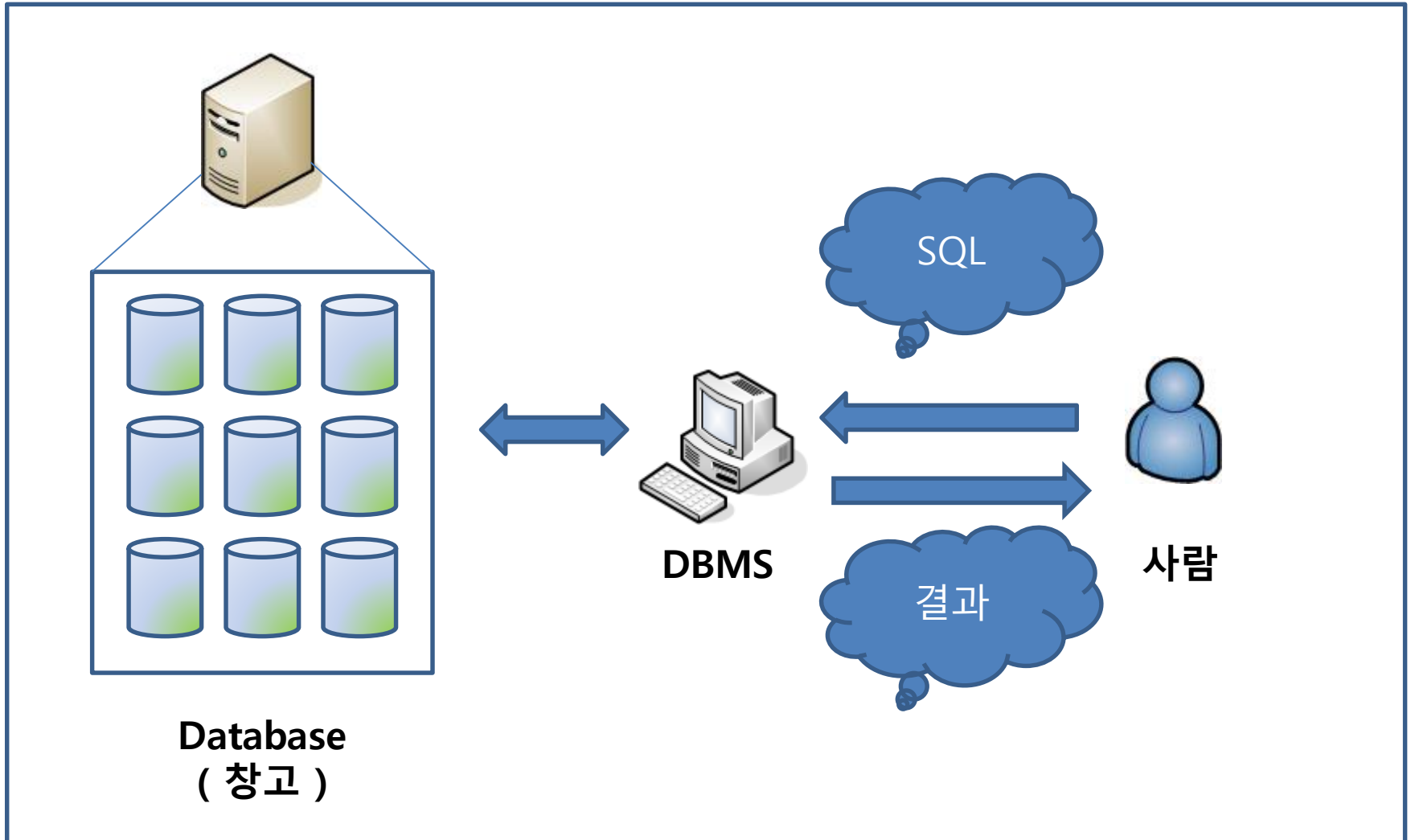
왜 데이터베이스를 배워야 하는가?

<https://db-engines.com/en/ranking>

397 systems in ranking, November 2022

Rank			DBMS	Database Model	Score		
Nov 2022	Oct 2022	Nov 2021			Nov 2022	Oct 2022	Nov 2021
1.	1.	1.	Oracle +	Relational, Multi-model i	1241.69	+5.32	-31.04
2.	2.	2.	MySQL +	Relational, Multi-model i	1205.54	+0.17	-5.98
3.	3.	3.	Microsoft SQL Server +	Relational, Multi-model i	912.51	-12.17	-41.78
4.	4.	4.	PostgreSQL +	Relational, Multi-model i	623.16	+0.44	+25.88
5.	5.	5.	MongoDB +	Document, Multi-model i	477.90	-8.33	-9.45
6.	6.	6.	Redis +	Key-value, Multi-model i	182.05	-1.33	+10.55
7.	7.	↑ 8.	Elasticsearch	Search engine, Multi-model i	150.32	-0.74	-8.76
8.	8.	↓ 7.	IBM Db2	Relational, Multi-model i	149.56	-0.10	-17.96
9.	9.	↑ 11.	Microsoft Access	Relational	135.03	-3.14	+15.79
10.	10.	↓ 9.	SQLite +	Relational	134.63	-3.17	+4.83

0. 공부를 시작하기 전에



SQL

- ◆ SQL(Structured Query Language)
- ◆ MySQL Workbench
- ◆ 데이터베이스(DB) 개발 툴
 - ✓ Toad
 - ✓ Orange
 - ✓ SQL Gate
 - ✓ dbeaver

테이블

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	12-17-1980	968		20
7499	ALLEN	SALESMAN	7698	2-20-1981	1600	300	30
7521	WARD	SALESMAN	7698	2-22-1981	1250	500	30
7566	JONES	MANAGER	7839	4-2-1981	2975		20
7654	MARTIN	SALESMAN	7698	9-28-1981	1250	1400	30
7698	BLAKE	MANAGER	7839	5-1-1981	2850		30
7782	CLARK	MANAGER	7839	6-9-1981	2450		10
7788	SCOTT	ANALYST	7566	4-19-1987	3000		20
7839	KING	PRESIDENT		11-17-1981	5000		10
7844	TURNER	SALESMAN	7698	9-8-1981	1500	0	30
7876	ADAMS	CLERK	7788	5-23-1987	1100		20
7900	JAMES	CLERK	7698	12-3-1981	950		30
7902	FORD	ANALYST	7566	12-3-1981	3000		20
7934	MILLER	CLERK	7782	1-23-1982	1300		10