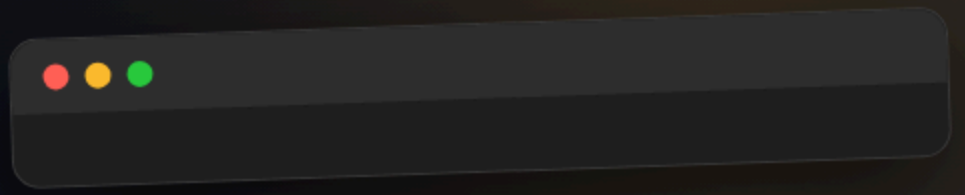
PART 5 of 13

SQL & DATABASES

DBMS & ACID

MySQL · Oracle · Postgres



SQL & DATABASES

PART 5 OF 13

What a DBMS Does, ACID Transactions, and MySQL vs Oracle vs SQL Server vs PostgreSQL

Section 3: what a database management system does (store, retrieve, secure, back up), access control, ACID (atomicity, consistency, isolation, durability) with real examples, concurrent users, and who uses MySQL, Oracle, SQL Server and PostgreSQL.

0:00	Section 3: DBMS overview
0:16	The DBMS: the software that manages your data
1:14	Store, retrieve and secure
1:49	Access control
2:20	ACID properties
3:26	Consistency across sites
3:52	Isolation: two people at once
4:22	Durability after a crash
5:52	MySQL: open source and free
7:23	Oracle, SQL Server and PostgreSQL

COMMANDS SHOWN IN THIS PART

PART 5 OF 13

```
$ (no commands in this part)
```

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Previous: Part 4 – Types of Databases: Relational, Object-Oriented, NoSQL and Hierarchical (LDAP)
Next: Part 6 – Database Architecture: Oracle SGA, Background Processes, Tablespaces and Data Files