

# DATABASE MANAGEMENT SYSTEMS



# TYPES OF DATABASE MANAGEMENT SYSTEMS

- Two types of database management systems:-
  - a) Free and open source database management systems
  - b) Commercial database management systems

# Free and open source database management systems

- They do have four freedoms:-
  1. Freedom to use the software freely
  2. Freedom to copy and distribute
  3. Freedom to modify the software
  4. Freedom study and release a new software

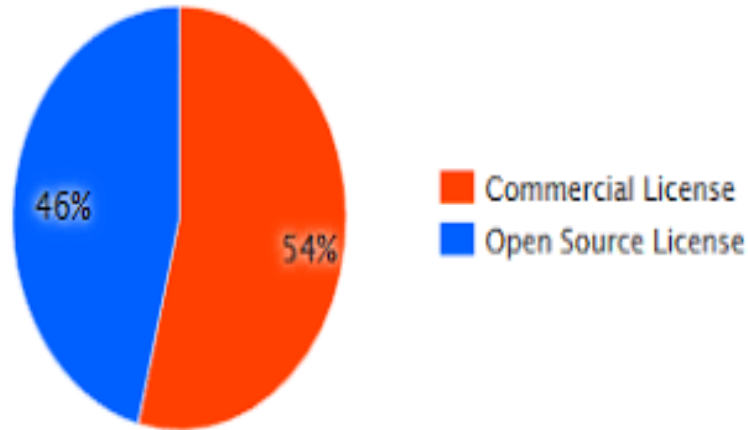
# Free and open source database management systems



# Commercial database management systems



# Free and open source V Commercial database management systems



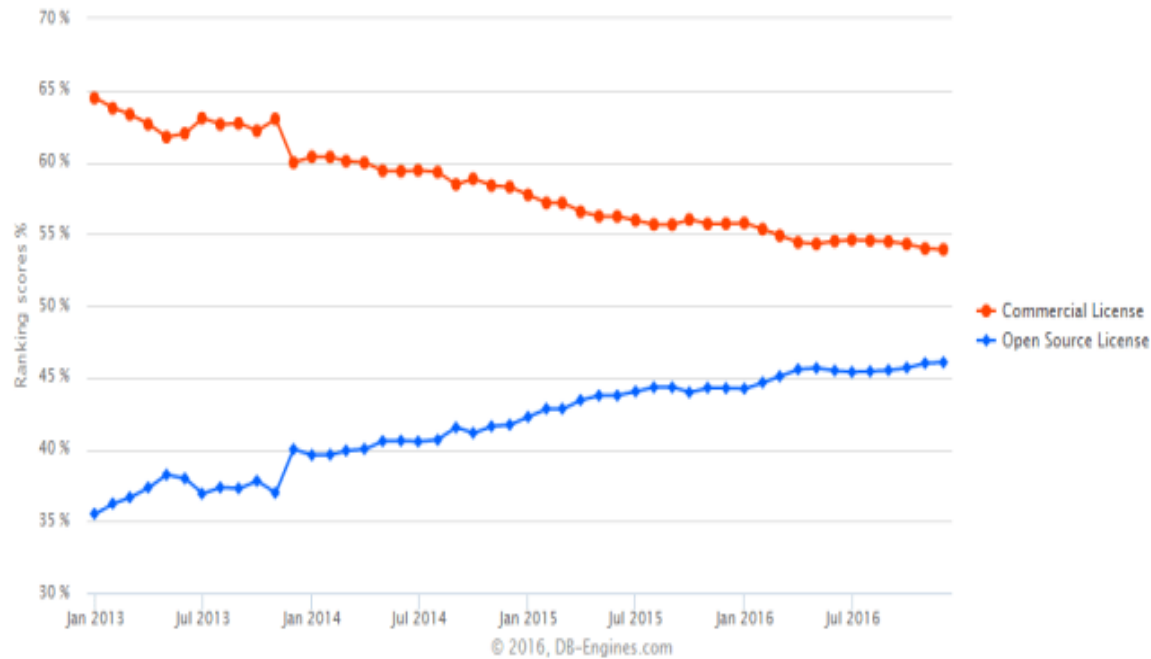
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# Free and open source V Commercial database management systems

- As of December 2016, the top commercial databases in web popularity were: Oracle (1), Microsoft SQL Server (3), DB2 (6) and Microsoft Access (7). The top open source products included MySQL (2), PostgreSQL(4), MongoDB(5), Cassandra(7), Redis (9) and SQL Lite (10).

# Free and open source $\vee$ Commercial database management systems

Popularity trend



# HISTORY OF MySQL

- Started in 1994 by David Axmark, Allan Larsson and Michael Monty Widenius in Sweden



# HISTORY OF MySQL

- It was named after 'MY' the Daughter of Michael



# History OF MySQL

- It is supported by Oracle Corporation
- However, in 2010, Monty and his friends started MariaDB; based on MySQL server 5.5
- Latest version of MySQL is 5.7

# Software stacks OF MySQL



# Software stacks OF MySQL

- You don't need to install these software separate; just install **xampp** or **wamp**
- All the support software and MySQL are loaded in there

# Software stacks OF MySQL

- **Xampp** stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P)
- **Wamp** Stands for Windows, Apache, MySQL, and PHP

End of Lesson