POPULAR RELATIONAL DATABASE MANAGEMENT SYSTEMS

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RDBMS

A relational database management system (RDBMS) is a program that allows you to create, update, and administer a relational database. Most relational database management systems use the SQL language to access the database.

MySQL

MySQL

MySQL is the most popular open source SQL database. It is typically used for web application development, and often accessed using PHP.
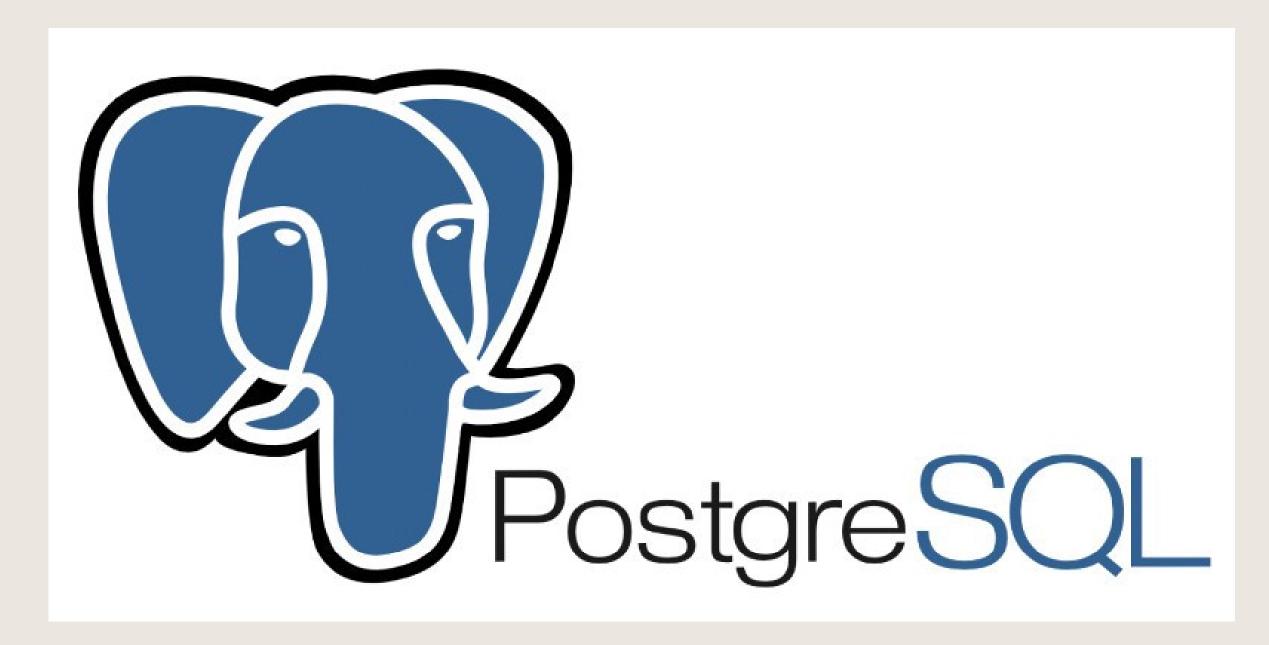
Advantages of MySQL

- Easy to use,
- Inexpensive,
- Reliable (has been around since 1995),
- Has a large community of developers who can help answer questions

Disadvantages of MySQL

- Has been known to suffer from poor performance when scaling,
- Open source development has lagged since Oracle has taken control of MySQL, and it does not include some advanced features that developers may be used to.

Postgre SQL

Postgre SQL

PostgreSQL is a powerful, open source object-relational database system with over 30 years of active development that has earned it a strong reputation for reliability, feature robustness, and performance.

Advantages of Postgre SQL

- Easy to use.Has a user-defined data type.
- Open-source.
- A lot of community support.
- Make use of Stored procedures.
- It supports ACID i.e. Atomicity, Consistency, Isolation, Durability.

Disadvantages of Postgre SQL

- If we do comparison PostgreSQL is not good when it comes to performance.
- It is not much popular than other database management systems.
- This also has a lack of skilled professionals.
- When it comes to speed PostgreSQL is not worthy as compared to other tools.
- Making replication is more complex.Installation is not easy for the beginner.

SQL server

SQL server

- It is the relational database management system developed by Microsoft back in 1988.
- It is actually a backend application that allows us to store and process data.
- In simple terms, it offers us a platform where we can update, change, and manage the data.
- It is called the relational database management system due to its nature to store the data in tables where the tables store the data about the same entity.

Advantages of SQL server

- Data processing
- High storage
- Integration with front-end
- Easy to connect with.Net

Disadvantages of SQL server

- Complex Interface
- Some versions are costly and hence, programmers cannot access it.
- Due to hidden business rules, complete control is not given to the database.

Thank you