

CHECKPOINT INTRO TO DATA BASE

Youssef chairat

What is MySQL ? :

MySQL is a widely used relational database management system (RDBMS).

MySQL is free and open-source.

MySQL is ideal for both small and large applications.

Features Of MySQL :

MySQL is Security

Embedded SQL

Client server execution and remote database access

What is PostgreSQL ? :

PostgreSQL is a free and open-source relational database management system (RDBMS) emphasizing extensibility and SQL compliance.



Features Of PostgreSQL :

Sophisticated locking mechanism

Freely available under an open source license

Table inheritance

What is SQL Server ? :

Microsoft SQL Server is a relational database management system developed by Microsoft. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet)

Features Of SQL Server :

Support for geographic data

High availability management

Programmability



MySQL VS PostgreSQL VS SQL Server

A relational database management system
Most popular open source database
Not extensible



PostgreSQL isolates processes even further than MySQL by treating them as a separate OS process. Each database has a separate memory and runs its own process. On the one hand, management and monitoring become a lot easier, but on the other, scaling multiple databases takes a lot of time and computing resources.



Available through commercial license and can be licensed on a per-core model or server and client access level (CAL) model.
Use a variant of Structured Query Language (SQL) called T-SQL (for Transact-SQL)
SQL Server has the geography data type for storing geographic spatial data.
Easy to use and reliable , with strong .NET compatibility.

