MySQL

What is MySQL ?
MySQL is an open-source relational database management system (RDBMS)
Uses tables as the main component
Offers less functionality than PostgreSQL.

Features OF MySQL
Security and authentication
Client server execution and remote database access
Embedded SQL
Transaction Control Language...

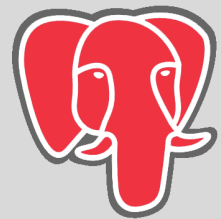## PostgreSQL

What is PostgreSQL ?
An advanced, enterprise-class, and open-source relational database system
A highly stable database
Used as a primary database for many web applications
General purpose transaction database
Language support : Python ,Java ,JavaScript (Node.js)...

Features OF PostgreSQL :
Can run dynamic websites and web apps as a LAMP stack option.
Freely available under an open source license
Asynchronous replication...
Table inheritance
Sophisticated locking mechanism

SQL Server

What is SQL Server ?
A Relational Database Management System (RDBM)
Developed and operated by Microsoft.
It's manages and performs all the database operations.
It has both command-line and GUI(Graphical User Interface)

Features OF SQL Server:
High availability management.
Support for geographic data.
Centralized management and deployment of   multiple instances and applications f
rom a single point of control…
Programmability...

MySQL VS PostgreSQL VS SQL Server

MySQL

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

PostgreSQL

Available as free and open source software in perpetuity
An object-relational database management system.
More advanced and Highly extensible.
Provides online backup.
Most advanced open source database.
PostgreSQL does not have a native data type for geographic data.

SQL Server

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.