❖ Mysql vs Mariadb

❖ **MySQL**: MySQL is an open-source relational database management system (RDBMS) originally developed by MySQL AB and now owned by Oracle Corporation. It supports SQL (Structured Query Language) for interacting with and managing databases. MySQL is widely used for web applications and large-scale enterprise systems.

❖ **MariaDB**: MariaDB is an open-source RDBMS forked from MySQL. It was developed by the original developers of MySQL to ensure the software remains free and open-source. MariaDB aims to maintain compatibility with MySQL while introducing additional features and performance improvements.

	MySQL	MariaDB
JSON	MySQL stores JSON reports as binary objects.	MariaDB stores JSON reports in strings. MariaDB's JSON data type is an alias for *LONGTEXT*.
Oracle database compatibility	MySQL has a high level of compatibility, but does not support PL/SQL.	MariaDB has a high level of compatibility and supports PL/SQL since version 10.3.
Speed and performance	MySQL is slightly slower than MariaDB in replication and querying.	MariaDB is slightly faster than MySQL in replication and querying.
Functionality	MySQL supports super read-only function, dynamic columns, and data masking.	MariaDB supports invisible columns and temporary table space.
Authentication	MySQL has the *validate_password* component.	MariaDB has three password validator plugins.
Encryption	MySQL databases use InnoDB and AES to encrypt data at rest.	MariaDB supports temporary log encryption and binary log encryption.
Storage engines	MySQL has fewer storage engines than MariaDB.	MariaDB has more storage engines than MySQL and can use multiple engines in one table.
License	MySQL has two versions: MySQL Enterprise Edition and a GPL version.	MariaDB is fully under GPL.
Thread pooling	MySQL has thread pooling in its Enterprise Edition.	MariaDB can manage over 200,000 connections at once, which is more than MySQL.