Diffrence between NOSQL AND SQL

Lets start

- When choosing a modern database, one of the biggest decisions is picking a relational (SQL) or non-relational (NoSQL) data structure. While both are viable options, there are key differences between the two that users must keep in mind when making a decision.
- Here, we break down the most important distinctions and discuss the best SQL and NoSQL database systems available.
- Lets pick a database from each side MongoDB(NoSQL) and MySQL(SQL)

- MySQL is a popular, free-to-use, and open-source relational database management system (RDBMS) developed by Oracle. As with other relational systems, MySQL stores data using tables and rows, enforces referential integrity, and uses structured query language (SQL) for data access. When users need to retrieve data from a MySQL database, they must construct an SQL query that joins multiple tables together to create the view on the data they require.

- MongoDB is also free to use and open source; however, its design principles differ from traditional relational systems. Often styled as a non-relational (or NoSQL) system, MongoDB adopts a significantly different approach to storing data, representing information as a series of JSON-like documents (actually stored as binary JSON, or BSON), as opposed to the table and row format of relational systems.

-Non relational database
-Have dynamic schemas for unstructured data
-Horizontally scalable
-Document-based database
-Is better for unstructured data like documents or JSON

-Relational data base
-Use structured query language and have a predefined schema
-Vertically scalable
-Table-based database
-Is better for multi-row transactions