* Database is nothing but the collection of inter related data
* Dbms (data base management system) is a software that is used to create manage and organize databases
* Rdbms (Relational data base management system) is dbms based on the concept of tables (also called as relations
* Data is organized into tables with rows and columns
* Exmaples : mysql , oreacle , postgresql
* Sql is structured query language used to store , manuplate to retrieve the data from rdbms
* Sql is not a database it is a language intreact to database
* We use sql for performing some operations to manuplate the database they are crud operations
* They are crud : c : to create operations
  + 1. R : to read the data that is present in the data base we use read
    2. U : modifying the already existing data in database
    3. D : deleting the specified row and columns
* While mysql is rdbms while modifying the data
* Sql key words are not case sensitive
* There are basically five types of sql commands

( DQL , DDL , DML , DCL , TCL )

* DQL (data query language) it is used to retrieve the data from the data base
* DDL (data definition language) it is used to create alter and delete data base operation like tables and index
* DML (data manipulation language) it is used to modified the data base using insert, update , delete
* DCL (data control language) it is used to grant and rework permissions
* TCL (transaction control language) it is used to data transaction the data like commit save point roleback

NO SQL (NOT ONLY SQL)

***No sql data base are non relational database that are design to handle large volume of data (unstructured, semi structured , and structured data) then don’t use sql is the primary language and provide flexible schemes***

***Schema :***

***Schema is define a pre defined structured of the data***

**Key characteristics**

**Scalability :**

No sql is designed for horizontal scaling it works across the thousand of database

Types of no sql :

1. Document type storing : it will store the data in the form of data document
2. Key value type storing : it will store the data in the form of key value pair
3. Graph data base : it will store the data in the form of graphs structured

**TYPES OF MONGODBMS :**

IT IS A POPULAR NO SQL DATA BASE that stores the data in a flexible js on format is called bsom (binary formative)

Key characteristics :

It is designed for high performance and scalability

It is uses for document that are prepare the data structure

It is schema less it don’t required any fixed schema

Conclusion:

RDBMS (my sql ) and no sql data base