1. What is MongoDB ?

* MongoDB is a type of database that helps store and manage data. Unlike traditional databases that store data in tables with rows and columns (like a spreadsheet), MongoDB stores data in a more flexible format called JSON-like documents.

1. What are some of the advantages of MongoDB?

* Flexible Schema: No need for a fixed data structure; you can easily add or change fields.
* Easy to Use: Simple JSON-like format for easy data handling.
* Great for Unstructured Data: Perfect for handling social media posts, product catalogs, etc.

1. When to use MongoDB?

* Data is flexible or changes often
* If you expect your data to grow a lot, MongoDB can easily scale to handle more data.
* It works well for storing complex data like lists or nested information.
* MongoDB doesn't require a fixed schema, so you can change your data structure over time without issues.

1. How to perform queries in MongoDB ?

* Use find() to search data.
* Use findOne() for a single document.
* Use conditions like $gt, $lt, $eq for filtering.
* Use sort() for sorting and limit() for limiting results.

1. How do you Delete a Document?

* Use deleteOne() to delete one document.
* Use deleteMany() to delete multiple documents matching a condition.

1. How do you Update a Document?

* Use updateOne() to update one document.
* Use updateMany() to update multiple documents.
* Use $set for setting new values and other operators like $inc for specific updates.

1. How to add data in MongoDB?

* Use insertOne() for adding a single document.
* Use insertMany() for adding multiple documents at once.

1. What is a Collection in MongoDB?

* In MongoDB, a collection is like a folder that stores your data. It is a group of documents (records), and each document is a set of key-value pairs (similar to a row in a table of a relational database).
* Documents: Individual pieces of data stored in the collection.
* Collection: A container for documents, like a table in a relational database.
* A collection doesn’t require a fixed structure (schema), so each document can have different fields. For example, you could have a "users" collection with documents containing information like name, age, and email.

1. What is a Document in MongoDB?

* A document in MongoDB is a record or an entry in a collection, similar to a row in a table in traditional databases. It is stored in a flexible, JSON-like format with key-value pairs.
* Documents are stored in collections and They can contain nested data like lists or other documents.

1. Explain the SET Modifier in MongoDB?

* the $set modifier is used to update existing fields or add new fields to a document.
* If the field already exists, $set will update its value.
* If the field doesn’t exist, $set will create it with the specified value.

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