**MongoDB Introduction**

MongoDB is a document store.

Document stores are non-relational databases. Meaning each document in a database represents a whole object. Documents in mongo – stored in BSON (Binary JavaScript Object Notation), a system that stores data in key-value pairs.

Why is MongoDB used?

1. Fits into a JavaScript-based tech stack, like a JSON file format (JSON file is a file that stores simple data structures and objects in JavaScript Object Notation format) and makes it easily accessible to developers.
2. Less restrictive since documents doesn’t follow a pre-set schema.
3. Immensely scalable through a process known as sharding (the process of distributing data across multiple hosts).

When is MongoDB used?

1. When data has no fixed structure
2. No existence of strong relationships between different collections

Hierarchy:

MongoDB (Document Store)

Databases (Collection Store)

Collections are grouped into databases

Documents are grouped into collections