Mongo DB

Session 1

What is Mongo?

Database

Database is a physical container for collections.

Collection

Collection is a group of MongoDB documents

Document

A document is a set of key-value pairs. Documents have dynamic schema.

RDBMS VS MongoDB

RDBMS	MongoDB
Database	Database
Table	Collection
Column	Field
Tuple/Row	Document
Primary Key	Primary Key(_id)

Why to use MongoDB?

Schema Less

Number of fields, content and size of the document can differ from one document to another

Ease to scale

Very easy to scale horizontally

Conversion/Mapping

Data deserialization/serialization not need from db to app

Simple Queries

No complex joins due to document structure

Deep Query Ability

Queries on documents using a document-based query language that's nearly as powerful as SQL.

Buffering

Uses internal memory for storing the (windowed) working set, enabling faster access of data.

Where to use MongoDB?

✓   **Big Data**

✓   **Content Management and Delivery**

✓   **Mobile and Social Infrastructure**

✓   **User Data Management**

Mongo DB

Practice 1

Objectives

+ **Download mongodb**

+ **Configure MongoDB**

+ **Try MongoDB**

References

- https://www.mongodb.com/try/download/community
- https://docs.mongodb.com/manual/administration/install-community