Assignment - B5

Title:- Implement 5 basics query using MongoDB.

Problem Statement :- Design & Implement any 5 queries using MongoDB.

Objective :-

1] Understand the concept of MongoDB
2] Understand the concept of MongoDB on two tier.
3] Understand the basic commands of MongoDB.

S/w & H/w Requirements :- MongoDB, 64 bit OS.

Outcome :- Students will be able to

1] Implement the commands on two tier.
2] Implement the database in MongoDB

Theory :-

MongoDB :-

MongoDB is a cross platform document oriented database that provides high performance. High availability & easy scalability. MongoDB works on concept of collection & document. A single MongoDB server typically has multiple databases.

Collection :-

Collection is group of mongo-DB documents. It is the equivalent of an RDBMS table. A collection exists within a single database. Collection do not enforce a schema. Document within a collection can have different fields. Typically all documents in a collection are of similar or related purpose.

Doament :-

A doament is a set of key-value pairs. Documents have dynamic schema. Dynamic schema means that doament in same collection do not need to have the same set of fields or structure & common fields in a collection doument may hold different types of data.

Advantages of mongoDB over RDBMS

1) Schema less
2) Structure of single object is clear
3) No complex joins.
4) Deep query ability.
5) Tuning.
6) Conversion / mapping of application objects to database object not needed.
7) Uses internal memory for storing the working set enabling faster access of data

Conclusion :-

In this assignment, we have learned & implemented basic commands of mongoDB to query documents also developed queries to sort, update, insert, delete the document from the collection.