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BOI- Exp-9

Aim: To execute Mongo DB openies/commands

Theory:
MongoDB is a document-oriented NoSQL database used for

high volume data storage.

· Instead of using tables and nows as in the traditional relational databases, MongoDB makes use of collections and Locurrents.

· Documents consist of key-value paix which are the basic

unit of data in Mongalls.

· Collections contain sets of documents and functions which is the experiodent of relational database tables.

Features of Mongo B:

· High Performance

· Indexing

· Schema-less dotabase

· Ad hor queries

· Appregation

· Shording

· Downers Oriented

- Replication

Mongo DB Architecture

· Mongod: It is the datarrode which is used for storing and retrience the data

· Mongos: - It is the one and only instance that is able to communicate outside of the cluster. It interfaces with clients and routers operations

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	to appropriate shards.
	Config Sever-It acts as the container of the metadata
	about the object stored in the morgod.
•	
Service Servic	known a replica sets which contains a copy of the data.
16.	The YC SB (Yughte about Serve Broke) client in the Mongo DB
	orchitecture provides on interface between the application code
	and the undertwing database.
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	Shard 1 Shard 2 Shard 3
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	a sere platal manta La denta in all a
	Mongos
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	editories of
	Commands:
	create a collection - de create Collection ("orders");
	check all connections collections - show collections:
•	unsert one document - db. orders. insertOne ({ Name: "Anay",
	Address: "Mumbai",
	Order D: 205);
. •	insert many document do orders insert Many [? 3. ? 3. ? 3. ?]
THE ELL	to find - db. orders. find ()
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•	projection-db. orders. Lind (53, EName: "Anou")
	Sear operator - db. orders. fired ({OrderID: {seq: 2033)
	aggregate function - db. orders apprenate (13 sgraup: \subsection - db. orders) total: \subsection = db. orders
•	to drop database - do. drop Database ()
	to check revision of the dotabase - do. revision ().
_	Conclusion + Honce we have implemented several MongoDB contrommands and leavest the MongoDB and to features and architecture.
	and architecture.

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