Experiment No: 03

Aim : To install and configure MongoDB to execute NoSQL commands

System Requirements: Ubuntu, MongoDB

Theory:
NoSQL database is used to refer a Non-SQL database. It provides a mechanism for storage & retrival of data other than tabular relations model used in relational databases

MongoDB :
- MongoDB is an open source document database that provides high performance high availability and automatic scaling
- It is an open source product, deviloped and supported by a company named 10 gen

MongoDB has the following features
- Scalability
- Performance
- High Availability
- Easy Deployment
- Indexing
- Support adhoc queries
- Replication
- Load Balancing
- Duplication of data
- Aggregation

Steps for Installation

Step1: Download the Installer

- Go to the download page at https://www.mongodb.com/try/download/command
- Choose your OS & your desired MongoDB version
- Click download

Step2: Run the MongoDB Installer

Step3: Specify an environment variable

Step4: Configure a Data Directory for all MongoDB files

Step5: Check the MongoDB version
- Command: mongod --version

Step6: Run the MongoDB Server
- Command: mongod

Step7: Running Mongo shell

Step8: example (Shown in output)

Conclusion: Thus, we successfully installed & configured MongoDB and executed NoSQL commands