**Practical-5**

Aim - Implementation of Replicas in MongoDB.

Summary:

Replication is the process of synchronizing data across multiple servers.

Replication is referred to the process of**ensuring that the same data is available on more than one Mongo DB Server.** This is sometimes required forthe purpose of increasing data availability. Replication provides redundancy and increases data availability with multiple copies of data on different database servers. Replication protects a database from the loss of a single server. Replication also allows you to recover from hardware failure and service interruptions. Because if your main MongoDB Server goes down for any reason, there will be no access to the data. But if you had the data replicated to another server at regular intervals, you will be able to access the data from another server even if the primary server fails. MongoDB achieves replication by the use of replica set. A replica set is a group of mongod instances that host the same data set. Replica set can have only one primary node. Replica set is a group of two or more nodes (generally minimum 3 nodes are required).