**MONGODB REPLICATION:**

**Setup ReplicaSet :**

**Step no 1:**

* Create an empty Directory in C: Drive and the name is Replica and Clustering
* Create a sub directories (clusters) rs1 , rs2 , rs3
* Create a new mongod instance => rs1:
* mongod --port 27017 --dbpath "C:\Users\Replica and Clustering\rs1" --replSet "DbReplica"
* --port: The port in which the cluster (instance) will wait the connections..
* --dbpath: the path that contains the instance initiation and configurations.
* --replSet: is the replica set..
* Localhost: 27017 PRIMARY
* Localhost: 27018
* It will start a mongod instance with the name DbReplica, on port 27017

**Step no 2: (CONFIGURATION)**

* Configuarting the replica set instances
* config = {\_id:”DbReplica” , members : [{\_id : 0 , Host : “localhost:27017”}]}
* Now, Run mongodb client
* Configure the replica sets
* \_id => is the name of the replica set
* Members => connected instances
* Run the mongo client

**Step no 3:**

* Start command prompt and entered mongo --port 27017
* Now , entered : config = {\_id:”DbReplica” , members : [{\_id : 0 , Host : “localhost:27017”}]}
* Then , rs.initiate(config)
* Then, rs.status()

Now, open the robo 3T given with the following port: ‘27017 ‘

**Step no 4:**

* Create a new mongod instance => rs2:
* mongod --port 27018 --dbpath "C:\Users\Replica and Clustering\rs2" --replSet "DbReplica"
* It will start a mongod instance with the name DbReplica, on port 27018
* // Adding rs2 as a SECONDARY SET
* rs.add(“Host\_Name:27018”) //To add a instance on primary instances
* rs.status() : then , type : exit
* entered mongo --port 27018

Now, open the robo 3T given with the following port: ‘27018 ‘

**Step no 5:**

* Create a new mongod instance => rs3:
* mongod --port 27019--dbpath "C:\Users\Replica and Clustering\rs3" --replSet "DbReplica"
* It will start a mongod instance with the name DbReplica, on port 27019
* // Adding rs3 as a third SECONDARY SET
* rs.add(“Host\_Name:27019”) //To add a instance on primary instances
* rs.status()

Now, open the robo 3T given with the following port: ‘27019 ‘