**Security In MongoDB**

In MongoDB We can Imeplement security by Authentication and Authoraization

We need to create the users with specific roles and start the Monogd with –-auth parameter

Then user need to enter the credentials and can access only the resources which had specified in his roles

**Built in Roles Provided in Mongo**

**DB User Roles**

Read - the ability to read data on all non-system collections, also from system.js, system.indexes

readWrite – read + ability to modify data on all non-system collections , system.js

**DB Admin Roles**

dbAdmin - schema related tasks , indexing, gathering Stats . can not work with user and roles

dbOwner - readwrite + dbAdmin + userAdmin Roles

userAdmin – can work with users, roles creations, modification

backup - backup the data

restore – restore the data

**All DB Roles**

readAnyDatabase

readWriteAnyDatabase

userAdminAnyDatabase

dbAdminAnyDatabase

**Internal Roles**

\_\_System - Provides privileges to take any action against any object in the database.

**Do not** assign this role to user objects representing applications or human administrators, other than in exceptional circumstances

**Ex: To create A USER**

use admin

db.createUser(

{

user: "ravi",

pwd: "bindu@123",

roles: [ {role:"read", db:"booklibrary"} ]

}

)

db.createUser(

{

user: "raja",

pwd: "",

roles: [ {role:"readWrite", db:"booklibrary"} ]

}

)

db.createUser(

{

user: "rama",

pwd: "bindu@123",

roles: [ {role:"dbOwner", db:"booklibrary"} ]

}

)

**To Implement Authentication**

Start Mongod Process with –-auth

Mongod –dbpath “databasepath” --auth

**For login**

Open command prompt >> Mongo >> Enter

Use admin >> enter

Db.auth(‘username’,’password’) >> enter

Now switch to the database to which the user is having the privileges

Check the privileges and try to work with commands