Task-10 Crud operations in document Databases

Aim:- To perform Mongoose using NPM design on MongoDB designing document database and performing crd operations like creating, inserting, quering, finding and removing operations

step 1:- install Mongo db

step 2:- install Magosh using below link
https://www.mongodb.com/docs/mongodb-shell/#download

step 3:- To add the MongoDB shell binary's location to your path environment variable.
open the control panel.
if your path is configured correctly a list of valid commands displays

Step 4:- open mongo shell 4.0 from
c:\program files\mongoDB)server\bin\mongod.exe

Step 5: Type of the crud (create read update Delete) commands given in text file

1. crud operations :-

create database
db create collection ("products")
{"ok":1}

Mobilephone
↓
2. insert one products

db.mobile phone product insert one(
{name: "Realme", price $ 30000 ; category
"electronic device", stock=25, tags= ['opp')
details {? brand "Realme" warranty 1year })

output :- { "acknowledged" true;
        " inserted id : objectid {"62a1b3acc")

3. Find one Mobile Product (Read)

   db Products find :{ Name : "realme}

   output : { "id" object {"62a1b3acc")

   " name : "Real me",

   " Price 1" : 30000

   "category" : Electronics

   " stock " : 25;

   " tags" : [oppo ")

4) insert multiple mobile Products

   db · Mobile Product · insert · many "{ name : "Smart Phone" :

   Price : 30000 category : "Electronics stock : 50

   tags ["andriod" "Ta") details (brand "realme"3);

   (name : "redmi" , Price 25000 scategory : "Electronics"

   stock = 3.0 tags [oppo')

   output : ("acknowledge" true)

        " insert ids" objectid {"62db 5aac")
        object id {"62 a1b 500 c")

5) Display selected field

   db · Mobile Product find () {name, price, stock 13)

   output :- {"id" : object id {"62a1b3ace")

        "name" : "realme" , Price : 25000 : stock : 35}
        {id" : objectid : ("62a1b5aac") "name", smartphone
        Price : 35000 ; "stock" = 30}

{ "id" : object ("62alb-aac") 'name", "redmi",
    "Price" = 25000   "stock = 503

6. Pretty format

db. Mobile Product find {name =1 , Price =1 stock= 3)
    Prety()

output :- { "id": object id ("62alb3acc");

"name".: "realme", "Price "; 30000 "stock ; 25 }
{id" = object id {"62alb599c") 'name" "SmartPhone "
Price ·25000 ·stock =303
{"id" = object id ("62alb5a9c") "name" "realme", Price
    35000, s tock = 30]
{id" = object id ("62albsooc") 'name" "realme"
    "price" 25000 "stock" 30 }

Delete one Mobile Product

db . Mobik Product delete one
        { name : "realme" }

output :- {"acknowledge "true" "delete count" }

final display :- db . Mobile Product : TENTECH) {name =1,

Price = 1 stack

Result :- Thus implementation of crud operations like

Creating, inserting, finding and removing operations

using mongo DB is executed successfully

40.	
PERFORMANCE (5)	S
(3) Mobile Product	
RESULT ANALYSIS (5)	5
VIVA VOCE (5)	
RECORD (5)	4
TOTAL (20)	
SIGN WITH DATE	