**Practical 09:**

**MongoDB Operations:** create, insert, delete, update

show dbs;

admin 40.00 KiB

config 12.00 KiB

local 40.00 KiB

use demo;

switched to db demo

db.createCollection('stud');

{ ok: 1 }

show collections;

**stud**

db.stud.insertOne({rollno:101,name:'prabhu',address:'pune'});

{

acknowledged: true,

insertedId: ObjectId(**'68d953e1a53f62f46a699ec9'**)

}

db.stud.find();

{

\_id: ObjectId(**'68d953e1a53f62f46a699ec9'**),

rollno: 101,

name: **'prabhu'**,

address: **'pune'**

}

db.stud.insertMany([{rollno:102,name:'aditya',address:'mumbai'},{rollno:103,name:'Kishor',address:'Amravati'}]);

{

acknowledged: true,

insertedIds: {

**'0'**: ObjectId(**'68d95431a53f62f46a699eca'**),

**'1'**: ObjectId(**'68d95431a53f62f46a699ecb'**)

}

}

db.stud.find();

{

\_id: ObjectId(**'68d953e1a53f62f46a699ec9'**),

rollno: 101,

name: **'prabhu'**,

address: **'pune'**

}

{

\_id: ObjectId(**'68d95431a53f62f46a699eca'**),

rollno: 102,

name: **'aditya'**,

address: **'mumbai'**

}

{

\_id: ObjectId(**'68d95431a53f62f46a699ecb'**),

rollno: 103,

name: **'Kishor'**,

address: **'Amravati'**

}

db.stud.find({rollno:{$gt:102}});

{

\_id: ObjectId(**'68d95431a53f62f46a699ecb'**),

rollno: 103,

name: **'Kishor'**,

address: **'Amravati'**

}

db.stud.updateOne({rollno: 102}, {$set: {name: 'Rutuja'}});

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

db.stud.find();

{

\_id: ObjectId(**'68d953e1a53f62f46a699ec9'**),

rollno: 101,

name: **'prabhu'**,

address: **'pune'**

}

{

\_id: ObjectId(**'68d95431a53f62f46a699eca'**),

rollno: 102,

name: **'tejas'**,

address: **'mumbai'**

}

{

\_id: ObjectId(**'68d95431a53f62f46a699ecb'**),

rollno: 103,

name: **'Kishor'**,

address: **'Amravati'**

}

db.stud.deleteOne({rollno:101});

{

acknowledged: true,

deletedCount: 1

}

db.stud.find();

{

\_id: ObjectId(**'68d95431a53f62f46a699eca'**),

rollno: 102,

name: **'tejas'**,

address: **'mumbai'**

}

{

\_id: ObjectId(**'68d95431a53f62f46a699ecb'**),

rollno: 103,

name: **'Kishor'**,

address: **'Amravati'**

}

**Q) Problem Statement: Create collection product having data : pid, pname, price, qty  
Change the price when price of product less than 100, update to 200. Display the record.**

show dbs;

admin 40.00 KiB

config 100.00 KiB

demo 68.00 KiB

local 40.00 KiB

test 72.00 KiB

db.createCollection('product1');

{ ok: 1 }

db.product1.insertMany([{ pid: 1, pname: "Pen", price: 50, qty: 100 },{ pid: 2, pname: "Book", price: 120, qty: 50 },{ pid: 3, pname: "Pencil", price: 30, qty: 200 },{ pid: 4, pname: "Bag", price: 500, qty: 20 }

]);

{

acknowledged: true,

insertedIds: {

**'0'**: ObjectId(**'68d95fd29b14f11ccfc8e97d'**),

**'1'**: ObjectId(**'68d95fd29b14f11ccfc8e97e'**),

**'2'**: ObjectId(**'68d95fd29b14f11ccfc8e97f'**),

**'3'**: ObjectId(**'68d95fd29b14f11ccfc8e980'**)

}

}

db.product1.find();

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e97d'**),

pid: 1,

pname: **'Pen'**,

price: 50,

qty: 100

}

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e97e'**),

pid: 2,

pname: **'Book'**,

price: 120,

qty: 50

}

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e97f'**),

pid: 3,

pname: **'Pencil'**,

price: 30,

qty: 200

}

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e980'**),

pid: 4,

pname: **'Bag'**,

price: 500,

qty: 20

}

db.product.updateMany({ price: { $lt: 100 } },{ $set: { price: 200 } });

{

acknowledged: true,

insertedId: null,

matchedCount: 0,

modifiedCount: 0,

upsertedCount: 0

}

db.product1.find().pretty();

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e97d'**),

pid: 1,

pname: **'Pen'**,

price: 50,

qty: 100

}

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e97e'**),

pid: 2,

pname: **'Book'**,

price: 120,

qty: 50

}

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e97f'**),

pid: 3,

pname: **'Pencil'**,

price: 30,

qty: 200

}

{

\_id: ObjectId(**'68d95fd29b14f11ccfc8e980'**),

pid: 4,

pname: **'Bag'**,

price: 500,

qty: 20

}

test