**Practical 9**

**MongoDB**

CREATE COLLECTION

db.createCollection('stud');

{ ok: 1 }

show collections;

stud

INSERT DATA

db.stud.insertOne({rollno: 101, name: 'Ajay', class: 'TE'})

{

acknowledged: true,

insertedId: ObjectId('68c9a66d6c2c6ac18025d6d7')

}

SHOW DATA

db.stud.find();

{

\_id: ObjectId('68c9a64c6c2c6ac18025d6d6'),

rollno: 101,

name: 'Ajay',

class: 'TE'

}

db.stud.insertOne({rollno: 102, name: 'Aman', class: 'TE'})

{

acknowledged: true,

insertedId: ObjectId('68c9a6b76c2c6ac18025d6d8')

}

db.stud.find();

{

\_id: ObjectId('68c9a64c6c2c6ac18025d6d6'),

rollno: 101,

name: 'Ajay',

class: 'TE'

}

{

\_id: ObjectId('68c9a6b76c2c6ac18025d6d8'),

rollno: 102,

name: 'Aman',

class: 'TE'

}

INSERT MANY DATA IN SINGLE LINE

db.stud.insertMany([{rollno: 103, name: 'Ram', class: 'TE'}, {rollno: 104, name:'Raju', class: 'TE'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('68c9a8af6c2c6ac18025d6d9'),

'1': ObjectId('68c9a8af6c2c6ac18025d6da')

}

}

db.stud.find();

{

\_id: ObjectId('68c9a64c6c2c6ac18025d6d6'),

rollno: 101,

name: 'Ajay',

class: 'TE'

}

{

\_id: ObjectId('68c9a6b76c2c6ac18025d6d8'),

rollno: 102,

name: 'Aman',

class: 'TE'

}

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6d9'),

rollno: 103,

name: 'Ram',

class: 'TE'

}

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6da'),

rollno: 104,

name: 'Raju',

class: 'TE'

}

FIND SPECIFIC DATA

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

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6d9'),

rollno: 103,

name: 'Ram',

class: 'TE'

}

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6d9'),

rollno: 103,

name: 'Ram',

class: 'TE'

}

UPDATE DATA

db.stud.updateOne({rollno:102}, {$set:{name:'Mohit'}}

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

db.stud.find()

{

\_id: ObjectId('68c9a64c6c2c6ac18025d6d6'),

rollno: 101,

name: 'Ajay',

class: 'TE'

}

{

\_id: ObjectId('68c9a6b76c2c6ac18025d6d8'),

rollno: 102,

name: 'Mohit',

class: 'TE'

}

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6d9'),

rollno: 103,

name: 'Ram',

class: 'TE'

}

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6da'),

rollno: 104,

name: 'Raju',

class: 'TE'

}

REMOVE DATA

db.stud.deleteOne({rollno:104})

{

acknowledged: true,

deletedCount: 1

}

db.stud.find();

{

\_id: ObjectId('68c9a64c6c2c6ac18025d6d6'),

rollno: 101,

name: 'Ajay',

class: 'TE'

}

{

\_id: ObjectId('68c9a6b76c2c6ac18025d6d8'),

rollno: 102,

name: 'Mohit',

class: 'TE'

}

{

\_id: ObjectId('68c9a8af6c2c6ac18025d6d9'),

rollno: 103,

name: 'Ram',

class: 'TE'

}

**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.**

db.createCollection('product');

{ ok: 1 }

db.product.insertMany([{pid:101, pname:'Book', price:200}, {pid:102, pname:'Pen', price:99}, {pid:103, pname:'Mouse', price:300}, {pid:104, pname:'File', price:50}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('68c9aed56c2c6ac18025d6db'),

'1': ObjectId('68c9aed56c2c6ac18025d6dc'),

'2': ObjectId('68c9aed56c2c6ac18025d6dd'),

'3': ObjectId('68c9aed56c2c6ac18025d6de')

}

}

db.product.find();

{

\_id: ObjectId('68c9aed56c2c6ac18025d6db'),

pid: 101,

pname: 'Book',

price: 200

}

{

\_id: ObjectId('68c9aed56c2c6ac18025d6dc'),

pid: 102,

pname: 'Pen',

price: 99

}

{

\_id: ObjectId('68c9aed56c2c6ac18025d6dd'),

pid: 103,

pname: 'Mouse',

price: 300

}

{

\_id: ObjectId('68c9aed56c2c6ac18025d6de'),

pid: 104,

pname: 'File',

price: 50

}

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

{

acknowledged: true,

insertedId: null,

matchedCount: 0,

modifiedCount: 0,

upsertedCount: 0

}

db.product.find();

{

\_id: ObjectId('68c9aed56c2c6ac18025d6db'),

pid: 101,

pname: 'Book',

price: 200

}

{

\_id: ObjectId('68c9aed56c2c6ac18025d6dc'),

pid: 102,

pname: 'Pen',

price: 99

}

{

\_id: ObjectId('68c9aed56c2c6ac18025d6dd'),

pid: 103,

pname: 'Mouse',

price: 300

}

{

\_id: ObjectId('68c9aed56c2c6ac18025d6de'),

pid: 104,

pname: 'File',

price: 50

}