**Practical No. 9**

**Basic MongoDB Operations ::**

Microsoft Windows [Version 10.0.26100.6584]

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C:\Program Files\MongoDB\Server\8.2\bin>mongosh

Current Mongosh Log ID: 68e544c1090c49f91acebea3

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.8

Using MongoDB: 8.2.1

Using Mongosh: 2.5.8

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).

You can opt-out by running the disableTelemetry() command.

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The server generated these startup warnings when booting

2025-10-07T22:12:58.387+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

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test> show dbs;

admin 40.00 KiB

config 60.00 KiB

local 40.00 KiB

test> use demo;

switched to db demo

**CREATE COLLECTION :**

demo> db.createCollection('stud');

{ ok: 1 }

demo> show collections;

stud

**INSERT ONE DATA :**

demo> db.stud.insertOne({rollno:101,name:'priya',address:'abc chok'});

{

acknowledged: true,

insertedId: ObjectId('68e54aa3090c49f91acebea4')

}

**SHOW DATA :**

demo> db.stud.find();

[

{

\_id: ObjectId('68e54aa3090c49f91acebea4'),

rollno: 101,

name: 'priya',

address: 'abc chok'

}

]

**INSERT MANY DATA :**

demo>db.stud.insertMany([{rollno:102,name:'Amayra',address:'UK'},{rollno:103,name:'Sanvi',address:'USA'}]);

{

acknowledged: true,

insertedIds: {

'0': ObjectId('68e54b16090c49f91acebea5'),

'1': ObjectId('68e54b16090c49f91acebea6')

}

}

demo> db.stud.find();

[

{

\_id: ObjectId('68e54aa3090c49f91acebea4'),

rollno: 101,

name: 'priya',

address: 'abc chok'

},

{

\_id: ObjectId('68e54b16090c49f91acebea5'),

rollno: 102,

name: 'Amayra',

address: 'UK'

},

{

\_id: ObjectId('68e54b16090c49f91acebea6'),

rollno: 103,

name: 'Sanvi',

address: 'USA'

}

]

**SHOW NEXT DATA :**

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

[

{

\_id: ObjectId('68e54b16090c49f91acebea6'),

rollno: 103,

name: 'Sanvi',

address: 'USA'

}

]

**UPDATE DATA :**

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

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

demo> db.stud.find();

[

{

\_id: ObjectId('68e54aa3090c49f91acebea4'),

rollno: 101,

name: 'priya',

address: 'abc chok'

},

{

\_id: ObjectId('68e54b16090c49f91acebea5'),

rollno: 102,

name: 'Yash',

address: 'UK'

},

{

\_id: ObjectId('68e54b16090c49f91acebea6'),

rollno: 103,

name: 'Sanvi',

address: 'USA'

}

]

**DELETE DATA :**

demo> db.stud.deleteOne({rollno:103});

{ acknowledged: true, deletedCount: 1 }

demo> db.stud.find();

[

{

\_id: ObjectId('68e54aa3090c49f91acebea4'),

rollno: 101,

name: 'priya',

address: 'abc chok'

},

{

\_id: ObjectId('68e54b16090c49f91acebea5'),

rollno: 102,

name: 'Yash',

address: 'UK'

}

]