LAB 01

Creation:

> use Test

> db.createCollection("Student")

> db.Student.insert({RollNo:1, Age:21, Cont:9876, email:"a@gmail.com"});

Insert:

> db.Student.insertOne({RollNo:2, Age:22, Cont:9976, email:"anushka.dey@gmail.com"});

> db.Student.insertMany([{RollNo:3, Age:21, Cont:5576, email:"anubhav.dey@gmail.com"}, {RollNo:4, Age:20, Cont:4476, email:"pami.dey@gmail.com"}]);

> db.Student.find();

[{ _id: ObjectId(''),
RollNo: 1,
Age: 21,
Cont: 9876,
email: 'antara dey@gmail.com'
}, ...]

Update:

> db.Student.updateOne({_id:10}, {$set:{email:"Abhinav@gmail.com"}})

> db.Student.updateMany({Grade: "VIII"}, {$set: {Hobbies: "Music"}});

> db.Student.updateOne({_id:5}, {$set: {StudName: "Alice", Grade: "VI", Hobbies: "Drawing"}}, {upsert: true});

=> if upsert: true => creates a new document if _id:5 does not exist

if upsert: false => Ensure no insertion happens if _id:5 is not found

> db.Student.deleteOne({id:13});

> db.Student.deleteMany({Grade: "VII"});

> db.Student.drop();
-> delete all records

Difference between delete and remove:
=> deleteOne() and deleteMany() are the recommended methods in MongoDB for deleting documents, as they provide acknowledgment and better control over deletion.
The remove() method is deprecated and should be avoided in newer versions since it lacks proper response handling

EXPORT:

C:\Users\Student> mongoexport mongodb+srv:// Mahika:ak..... Mahika9n8op.mongodb.net/myDB --collection=Student --out C:\Users\Student\Desktop\a.json

=> exported 6 records

Import:

C:\Users\Student> mongoimport mongodb+srv:// Mahika:..... Mahika.9n8op.mongodb.net/myDB --collection=New_Student --type json --file C:\Users\Student\Desktop\a.json.

=> 6 document(s) imported successfully. 0 document(s) failed to import.

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