Database Commands

Command	Purpose	Example
show dbs	List all databases	show dbs
use <dbname>	Switch/Create DB	use school
db	Current DB	db
db.dropDatabase()	Drop DB	db.dropDatabase()

Collection Commands

Command	Purpose	Example
show collections	List collections	show collections
db.createCollection()	Create collection	db.createCollection('students')
db.<col>.drop()	Drop collection	db.students.drop()

Insert Commands

Command	Purpose	Example
insertOne()	Insert one	db.students.insertOne({name:'Amit'})
insertMany()	Insert many	db.students.insertMany([{name:'A'},{name:'B'}])

Query Commands

Command	Purpose	Example
find()	Fetch all	db.students.find()
find(query)	Conditional	db.students.find({age:10})
findOne()	Fetch one	db.students.findOne({name:'Amit'})
Comparison	gt/lt/gte/ne	db.students.find({age:{$gt:8}})
IN	$in/$nin	db.students.find({age:{$in:[8,9]}})
OR	Logical OR	$or:[{age:10},{class:'5th'}]
Regex	Pattern match	db.students.find({name:/a/i})
sort()	Sort	sort({age:-1})
limit/skip	Limit/Skip	limit(5), skip(10)

Update Commands

Command	Purpose	Example
updateOne()	Update one	db.students.updateOne({name:'Amit'},{$set:{age:11}})

updateMany()	Update many	db.students.updateMany({class:'5th'},{$set:{section:'A'}})
$inc	Increment	$inc:{age:1}
$rename	Rename field	$rename:{class:'grade'}

Delete Commands

Command	Purpose	Example
deleteOne()	Delete one	db.students.deleteOne({name:'Amit'})
deleteMany()	Delete many	db.students.deleteMany({grade:'5th'})

Aggregation Commands

Command	Purpose	Example
countDocuments()	Count	db.students.countDocuments()
$group	Group by	$group:{_id:'$class',total:{$sum:1}}
Pipeline	Match+Group	aggregate([...])

Index Commands

Command	Purpose	Example
createIndex()	Create index	createIndex({age:1})
Compound	Multi-field	createIndex({class:1,age:-1})
dropIndex()	Drop index	dropIndex('age_1')
getIndexes()	Show indexes	getIndexes()

Backup & Restore

Command	Purpose	Example
mongodump	Backup	mongodump --db school --out backup/
mongorestore	Restore	mongorestore --db school backup/school