

Students

StudRollNo

StudName

Grade

Hobbies

DOJ

Show dbs;

Use ch6mng;

	RDBMS	MONGODB
Create	Create table Students (StudRollNo varchar2(20), StudName varchar2(50), Grade varchar2(5), Hobbies varchar2(50), DOJ date)	db.createCollection("Students")
INSERT	Insert into Students (StudRollNo, StudName, Grade, Hobbies, DOJ) values ('S101',' ','VII',...)	db.Students.insert({ _id:1, StudRollNo:'S101', StudName:., Grade:'VII', Hobbies:'Net Surfing', DOJ:'10-OCT-2012', })
Update	Update Students Set Hobbies='Ice Hockey' Where StudRollNo='S101'	db.Students.update({StudRollNo:'S101'}, {\$set: { Hobbies:'Ice Hockey' } })
	Update Students Set Hobbies='Ice Hockey'	db.Students.update({} , {\$set: { Hobbies:'Ice Hockey' } })

		<pre> }, {multi:true},) </pre>
Delete	Delete from Students where StudRollNo='S101' Delete from Students	<pre> db.Students.remove({ StudRollNo:'S101' }) db.Students.remove({}) </pre>
Select	Select * from Students Select * from Students Where StudRollNo='S101' Select StudRollNo, StudName, Hobbies from Students Select StudRollNo, StudName, Hobbies from Students Where Grade='VII' and Hobbies='Ice Hockey' Select StudRollNo, StudName, Hobbies from Students Where Grade='VII' or Hobbies='Ice Hockey'	<pre> db.Students.find({}).pretty() db.Students.find({StudRollNo:'S101'}) db.Students.find({}, {StudRollNo:1, StudName:1, Hobbies:1, _id:0}) db.Students.find({Grade:'VII', Hobbies:'Ice Hockey'}, {StudRollNo:1, StudName:1, Hobbies:1, _id:0}) db.Students.find({ \$or :[{Grade:'VII'},{Hobbies:'Ice Hockey'}] }) </pre>

	Select * from Students Where StudName like 'S%'	<pre>db.Students.find({\$or:[{Grade:'VII'}, {Hobbies:'Ice Hockey'}]}, {StudRollNo:1, StudName:1, Hobbies:1, _id:0})</pre> https://docs.mongodb.com/manual/reference/operator/query/or/#mongodb-query-op.-or <pre>db.Students.find({StudName:/^S/})</pre>
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	Objective/Aim	MongoDB Query
1	Show all collections	Show collections
2	Drop a collection named food	db.food.drop()
3	Update else insert	<pre>db.Students.update(..., ..., {upsert:true})</pre>
4	save() method _id exist then replace else insert	<pre>db.Students.save({ _id:1, StudRollNo:'S101', StudName:'James', Grade:'VII', Hobbies:'Net Surfing', DOJ:'10-OCT-2012', })</pre>
5	Adding a new field to existing document	db.Students.update({},{\$set:{Status:"A"}},{multi:true})
6	Removing an existing field from an existing document	db.Students.update({"_id" : 1},{ \$unset:{Status:"A"}})
7	Relational operators	db.Students.find({Grade:{\$ne:"VII"}}).prett

	<p>\$eq \$ne \$gte \$lte \$gt \$lt</p> <p>To find those documents where the grade is not set to 'VII'</p>	y()
8	Regular expression	db.Students.find({StudName:{\$regex:"^J"}}).pretty()
9	Dealing with NULL values	<p>db.Students.update({},{\$set:{Location:null}})</p> <p>db.Students.find({Location:{\$ne:null}}).pretty()</p> <p>https://docs.mongodb.com/manual/tutorial/query-for-null-fields/</p>
10	Count, Limit, Sort and skip	<p>db.Students.count()</p> <p>db.Students.count({})</p> <p>db.Students.find({}).limit(3)</p> <p>db.Studetns.find({}).sort({StudName:1})</p> <p>1 Ascending -1 Descending</p> <p>db.Studetns.find({}).sort({StudName:1,Hobbies:-1})</p> <p>db.Students.find({}).skip(2)</p>

[illegible]