**Practical No : 9**

**MongoDB database: (**create,insert delete,update operations)

show dbs

admin 40.00 KiB

config 36.00 KiB

local 64.00 KiB

use demo;

switched to db demo

db.createCollection('stud');

{ ok: 1 }

show collections;

stud

db.stud.insertOne({rollno:201,name:'divya',address:'abc chok'});

{

acknowledged: true,

insertedId: ObjectId('68d76fb63080fa3de0cebea4')

}

db.stud.find();

[

{

\_id: ObjectId('68d76fb63080fa3de0cebea4'),

rollno: 201,

name: 'divya',

address: 'abc chok'

}

]

db.stud.insertMany([{rollno:102,name:'sejal',address:'dfg'},{rollno:202,name:'kartika',address:'sdf'}]);

{

acknowledged: true,

insertedIds: {

'0': ObjectId('68d7708f3080fa3de0cebea5'),

'1': ObjectId('68d7708f3080fa3de0cebea6')

}

}

db.stud.find();

[

{

\_id: ObjectId('68d76fb63080fa3de0cebea4'),

rollno: 201,

name: 'divya',

address: 'abc chok'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea5'),

rollno: 102,

name: 'sejal',

address: 'dfg'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea6'),

rollno: 202,

name: 'kartika',

address: 'sdf'

}

]

db.stud.find().pretty();

[

{

\_id: ObjectId('68d76fb63080fa3de0cebea4'),

rollno: 201,

name: 'divya',

address: 'abc chok'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea5'),

rollno: 102,

name: 'sejal',

address: 'dfg'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea6'),

rollno: 202,

name: 'kartika',

address: 'sdf'

}

]

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

[

{

\_id: ObjectId('68d76fb63080fa3de0cebea4'),

rollno: 201,

name: 'divya',

address: 'abc chok'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea6'),

rollno: 202,

name: 'kartika',

address: 'sdf'

}

]

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

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

db.stud.find();

[

{

\_id: ObjectId('68d76fb63080fa3de0cebea4'),

rollno: 201,

name: 'divya',

address: 'abc chok'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea5'),

rollno: 102,

name: 'Mohini',

address: 'dfg'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea6'),

rollno: 202,

name: 'kartika',

address: 'sdf'

}

]

db.stud.deleteOne({rollno:201});

{ acknowledged: true, deletedCount: 1 }

demo> db.stud.find();

[

{

\_id: ObjectId('68d7708f3080fa3de0cebea5'),

rollno: 102,

name: 'Mohini',

address: 'dfg'

},

{

\_id: ObjectId('68d7708f3080fa3de0cebea6'),

rollno: 202,

name: 'kartika',

address: 'sdf'

}

]

**Que) Problem: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.**

show dbs;

admin 40.00 KiB

config 108.00 KiB

demo 68.00 KiB

local 64.00 KiB

test 8.00 KiB

db.createCollection('product');

{ ok: 1 }

db.product.insertMany([{pid:202,pname:'notebook',price:90},

... {pid:203,pname:'pen',price:30},

... {pid:204,pname:'eraser',price:120},

... {pid:205,pname:'pencil',price:70},

... {pid:206,pname:'sharpener',price:150},

... {pid:207,pname:'scale',price:200}]);

{

acknowledged: true,

insertedIds: {

'0': ObjectId('68d77d9d6f48a01456cebea4'),

'1': ObjectId('68d77d9d6f48a01456cebea5'),

'2': ObjectId('68d77d9d6f48a01456cebea6'),

'3': ObjectId('68d77d9d6f48a01456cebea7'),

'4': ObjectId('68d77d9d6f48a01456cebea8'),

'5': ObjectId('68d77d9d6f48a01456cebea9')

}

}

db.product.find();

[

{

\_id: ObjectId('68d77d9d6f48a01456cebea4'),

pid: 202,

pname: 'notebook',

price: 90

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea5'),

pid: 203,

pname: 'pen',

price: 30

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea6'),

pid: 204,

pname: 'eraser',

price: 120

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea7'),

pid: 205,

pname: 'pencil',

price: 70

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea8'),

pid: 206,

pname: 'sharpener',

price: 150

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea9'),

pid: 207,

pname: 'scale',

price: 200

}

]

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

{

acknowledged: true,

matchedCount: 3,

modifiedCount: 3,

}

db.product.find();

[

{

\_id: ObjectId('68d77d9d6f48a01456cebea4'),

pid: 202,

pname: 'notebook',

price: 200

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea5'),

pid: 203,

pname: 'pen',

price: 200

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea6'),

pid: 204,

pname: 'eraser',

price: 120

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea7'),

pid: 205,

pname: 'pencil',

price: 200

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea8'),

pid: 206,

pname: 'sharpener',

price: 150

},

{

\_id: ObjectId('68d77d9d6f48a01456cebea9'),

pid: 207,

pname: 'scale',

price: 200

}]