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Roll no: 13228

MongoDB Queries: Design and Develop MongoDB Queries using CRUD operations. (Use CRUD operations, SAVE method, logical operators etc.).

Output:

Please enter a MongoDB connection string (Default: mongodb://localhost/): mongo mongo

Current Mongosh Log ID: 66ffec3acd9a462256c73bf7

Connecting to:

mongodb://127.0.0.1:27017/mongo?directConnection=true&serverSelectionTimeoutMS=200 0&appName=mongosh+2.3.1

Using MongoDB: 8.0.0

Using Mongosh: 2.3.1

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

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The server generated these startup warnings when booting

2024-10-04T05:52:52.759+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

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mongo> use stu\_details switched to db stu\_details

stu\_details> db.stu\_details.insertOne({name: "Vinay Hulsurkar", age: 20, city: "New Delhi"}); { acknowledged: true, insertedId: ObjectId('66ffed50cd9a462256c73bf8')

stu\_details> db.stu\_details.insertOne([{name: "Vaishnavi Kapoor", age:20, city: "Chandigarh"}, {name: "Vastav Hulsurkar", age: 23, city: "Banglore"}])

{ acknowledged: true, insertedId: ObjectId('66ffee09cd9a462256c73bf9') } stu\_details> db.stu\_details.find().pretty()

[

{

\_id: ObjectId('66ffed50cd9a462256c73bf8'), name: 'Vinay Hulsurkar', age: 20, city: 'New Delhi'

},

{

'0': { name: 'Vaishnavi Kapoor', age: 20, city: 'Chandigarh' },

'1': { name: 'Vastav Hulsurkar', age: 23, city: 'Banglore' },

\_id: ObjectId('66ffee09cd9a462256c73bf9')

}

]

stu\_details> db.stu\_details.updateOne({name: "Vinay Hulsurkar"}, {$set: {age: 21}});

{ acknowledged: true, insertedId: null, matchedCount: 1, modifiedCount: 1, upsertedCount: 0

} stu\_details> db.stu\_details.updateMany({city: "Banglore"}, {$set: {city: "London"}});

{ acknowledged: true, insertedId: null, matchedCount: 0, modifiedCount: 0, upsertedCount: 0

} stu\_details> db.stu\_details.find().pretty()

[

{

\_id: ObjectId('66ffed50cd9a462256c73bf8'), name: 'Vinay Hulsurkar', age: 21, city: 'New Delhi'

},

{

'0': { name: 'Vaishnavi Kapoor', age: 20, city: 'Chandigarh' },

'1': { name: 'Vastav Hulsurkar', age: 23, city: 'Banglore' },

\_id: ObjectId('66ffee09cd9a462256c73bf9')

}

]

stu\_details> db.stu\_details.deleteOne({name: "Vaishnavi Kapoor"});

{ acknowledged: true, deletedCount: 0 } stu\_details> db.stu\_details.find().pretty()

[

{

\_id: ObjectId('66ffed50cd9a462256c73bf8'), name: 'Vinay Hulsurkar', age: 21, city: 'New Delhi'

},

{

'0': { name: 'Vaishnavi Kapoor', age: 20, city: 'Chandigarh' },

'1': { name: 'Vastav Hulsurkar', age: 23, city: 'Banglore' },

\_id: ObjectId('66ffee09cd9a462256c73bf9')

}

]

stu\_details> db.stu\_details.find({$or: [{age: {$lt:25}}, {city: "Banglore"}]});

[

{

\_id: ObjectId('66ffed50cd9a462256c73bf8'), name: 'Vinay Hulsurkar', age: 21, city: 'New Delhi'

}

]

stu\_details> db.stu\_details.find({age: {$not: {$gt:20}}});

[

{

'0': { name: 'Vaishnavi Kapoor', age: 20, city: 'Chandigarh' },

'1': { name: 'Vastav Hulsurkar', age: 23, city: 'Banglore' },

\_id: ObjectId('66ffee09cd9a462256c73bf9')

}

]

stu\_details> db.stu\_details.find({$and: [{age: {$gt:22}}, {city: "Banglore"}]});

stu\_details> db.stu\_details.find({$and: [{age: {$gt:20}}, {city: "Banglore"} ]});

stu\_details> db.stu\_details.find({age: {$not: {$gt:20}}});

[

{

'0': { name: 'Vaishnavi Kapoor', age: 20, city: 'Chandigarh' },

'1': { name: 'Vastav Hulsurkar', age: 23, city: 'Banglore' },

\_id: ObjectId('66ffee09cd9a462256c73bf9')

}

]

stu\_details> db.stu\_details.find({$nor:[{age: {$lt:25}}, {city: "Chandigarh"}]});

[

{

'0': { name: 'Vaishnavi Kapoor', age: 20, city: 'Chandigarh' },

'1': { name: 'Vastav Hulsurkar', age: 23, city: 'Banglore' },

\_id: ObjectId('66ffee09cd9a462256c73bf9')

}

stu\_details>