Reading – OUTPUTS

Lets add one more element to showcase the find method.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

ShopDbs>
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ShopDbs>
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ShopDbs>
ShopDbs>
ShopDbs>
ShopDbs>
ShopDbs>
ShopDbs>
ShopDbs>
ShopDbs> db.product1.InsertOne({_id:2,name:"Tyagi",marks:99})
TypeError: db.product1.InsertOne is not a function
ShopDbs> db.product1.insertOne({_id:2,name:"Tyagi",marks:99})
{ acknowledged: true, insertedId: 2 }
ShopDbs>
```

Find() – displays everything.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

ShopDbs>
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ShopDbs> db.product1.InsertOne({_id:2,name:"Tyagi",marks:99})
TypeError: db.product1.InsertOne is not a function
ShopDbs> db.product1.insertOne({_id:2,name:"Tyagi",marks:99})
{ acknowledged: true, insertedId: 2 }
ShopDbs>

ShopDbs>

ShopDbs> db.product1.find()
[
  { _id: 1, name: 'pen', marks: 98 },
  { _id: 2, name: 'Tyagi', marks: 99 }
]
ShopDbs>
```

Find() takes in two optional parameters.

Query – specifies what to find.

Projection – what to display on finding that query.

Lets check query method first.

```
ShopDbs>

ShopDbs>

ShopDbs>

ShopDbs>

ShopDbs>

ShopDbs> db.product1.InsertOne({_id:2,name:"Tyagi",marks:99})
TypeError: db.product1.InsertOne is not a function
ShopDbs> db.product1.insertOne({_id:2,name:"Tyagi",marks:99})
{ acknowledged: true, insertedId: 2 }
ShopDbs>

ShopDbs>

ShopDbs> db.product1.find()
[
  { _id: 1, name: 'pen', marks: 98 },
  { _id: 2, name: 'Tyagi', marks: 99 }
]
ShopDbs> db.product1.find({name: "Tyagi"})
[ { _id: 2, name: 'Tyagi', marks: 99 } ]
ShopDbs>

ShopDbs>

ShopDbs>
```

Can even use logical and other operators, I have used greater than (gt) in the below example.

```
                                    mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
ShopDbs>

ShopDbs>

ShopDbs> db.product1.InsertOne({_id:2,name:"Tyagi",marks:99})
TypeError: db.product1.InsertOne is not a function
ShopDbs> db.product1.insertOne({_id:2,name:"Tyagi",marks:99})
{ acknowledged: true, insertedId: 2 }
ShopDbs>

ShopDbs>

ShopDbs> db.product1.find()
[
  { _id: 1, name: 'pen', marks: 98 },
  { _id: 2, name: 'Tyagi', marks: 99 }
]
ShopDbs> db.product1.find({name: "Tyagi"})
[ { _id: 2, name: 'Tyagi', marks: 99 } ]
ShopDbs>

ShopDbs>

ShopDbs> db.product1.find({marks:{$gt:99}})

ShopDbs> db.product1.find({marks:{$gt:98}})
[ { _id: 2, name: 'Tyagi', marks: 99 } ]
ShopDbs>

ShopDbs>

ShopDbs>

ShopDbs>
```

Lets also see an example of projection now,


```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

ShopDbs> db.product1.insertOne({_id:2,name:"Tyagi",marks:99})
{ acknowledged: true, insertedId: 2 }
ShopDbs>

ShopDbs>

ShopDbs> db.product1.find()
[
  { _id: 1, name: 'pen', marks: 98 },
  { _id: 2, name: 'Tyagi', marks: 99 }
]
ShopDbs> db.product1.find({name: "Tyagi"})
[ { _id: 2, name: 'Tyagi', marks: 99 } ]
ShopDbs>

ShopDbs>

ShopDbs> db.product1.find({marks:{$gt:99}})

ShopDbs> db.product1.find({marks:{$gt:98}})
[ { _id: 2, name: 'Tyagi', marks: 99 } ]
ShopDbs>

ShopDbs>

ShopDbs>

ShopDbs> db.product1.find({marks:98},{id: 1})
[ { _id: 1 } ]
ShopDbs> db.product1.find({marks:99},{id: 1})
[ { _id: 2 } ]
ShopDbs> db.product1.find({name: "pen"},{id: 1})
[ { _id: 1 } ]
ShopDbs>
```