

Problem Statement:- Design and Develop MongoDB Queries using CRUD operations.

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

`mongodb://localhost/`

`mongodb://localhost/`

Current Mongosh Log ID: 61aef0e2caf814fe13ebd04b

Connecting to:

`mongodb://localhost/?directConnection=true&serverSelectionTimeoutMS=2000` Using

MongoDB: 5.0.4

Using Mongosh: 1.1.2

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

The server generated these startup warnings when booting:

2021-12-07T00:17:33.920+05:30: Access control is not enabled for the database.

Read and write access to data and configuration is unrestricted

Enterprise test> show dbs

admin 41 kB

config 12.3 kB

local 41 kB Enterprise

test> use bank switched to

db bank

Enterprise bank> show dbs

admin 41 kB

bank 41 kB

config 111 kB

local 41 kB

Enterprise bank> use bank

already on db bank

Enterprise bank> db.customer.insertOne({ AccountNo : 20001, Name : "Pravin Bhagwat", Balance : 50300, Address : "Pune", Password : "\$jenf\$" })

{

acknowledged: true,

insertedId: ObjectId("61aef3d1b29d18c1d253b9fd")

}

```
Enterprise bank> show collections
customer
```

```
Enterprise bank> db.customer.find() [
  {
    _id: ObjectId("61aef6edb29d18c1d253b9fe"),
    AccountNo: 20001,
    Name: 'Pravin Bhagwat',
    Balance: 50300, Address:
    'Pune', Password: '$jenf$'
  }
]
```

```
Enterprise bank> db.customer.insertOne({ AccountNo : 20002, Name : "Nikhil Shinde",
Balance : 83200, Address : "Nashik", Password : "@fsgawfc$" })
{
  acknowledged: true,
  insertedId: ObjectId("61aef747b29d18c1d253b9ff")
}
```

```
Enterprise bank> db.customer.insertOne({ AccountNo : 20003, Name :
"Indrajeet Karande", Balance : 10000, Address : "Pimpri-Chinchwad",
Password : "%fgdhrg$" })
{
  acknowledged: true,
  insertedId: ObjectId("61aef776b29d18c1d253ba00")
}
```

```
Enterprise bank> db.customer.insertOne({ AccountNo : 20004, Name : "Bhushan
Asathi", Balance : 450000, Address : "Gondia", Password : "jhvfj$E" })
{
  acknowledged: true,
  insertedId: ObjectId("61aef7a6b29d18c1d253ba01")
}
```

```
Enterprise bank> db.customer.find() [
  {
    _id: ObjectId("61aef6edb29d18c1d253b9fe"),
    AccountNo: 20001,
    Name: 'Pravin Bhagwat',
    Balance: 50300, Address:
    'Pune', Password: '$jenf$'
  },
  {
    _id: ObjectId("61aef747b29d18c1d253b9ff"),
```

```

    AccountNo: 20002, Name:
    'Nikhil Shinde', Balance:
    83200, Address: 'Nashik',
    Password: '@fsgawfc$'
  },
  {
    _id: ObjectId("61aef776b29d18c1d253ba00"),
    AccountNo: 20003,
    Name: 'Indrajeet Karande', Balance:
    10000,
    Address: 'Pimpri-Chinchwad',
    Password: '%fgdhdr$'
  },
  {
    _id: ObjectId("61aef7a6b29d18c1d253ba01"),
    AccountNo: 20004,
    Name: 'Bhushan Asathi',
    Balance: 450000, Address:
    'Gondia', Password: 'jhvfj$E'
  }
]

```

```

Enterprise bank> db.customer.findOne()
{
  _id: ObjectId("61aef6edb29d18c1d253b9fe"),
  AccountNo: 20001,
  Name: 'Pravin Bhagwat',
  Balance: 50300, Address:
  'Pune', Password: '$jenf$'
}

```

```
Enterprise bank> db.customer.countDocuments() 4
```

```

Enterprise bank> db.customer.find( {Name : "Bhushan Asathi" }) [
  {
    _id: ObjectId("61aef7a6b29d18c1d253ba01"),
    AccountNo: 20004,
    Name: 'Bhushan Asathi',
    Balance: 450000, Address:
    'Gondia', Password: 'jhvfj$E'
  }
]

```

```
}  
]
```

```
Enterprise bank> db.customer.updateOne({ "AccountNo" : 20002 }, { "$set" :  
{ "Balance": 2000 } })  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 1,  
  modifiedCount: 1,  
  upsertedCount: 0  
}
```

```
Enterprise bank> db.customer.updateOne({ "AccountNo" : 20004 }, { "$set" :  
{ "Name": "Bhushan Asthi" } })  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 1,  
  modifiedCount: 1,  
  upsertedCount: 0  
}
```

```
Enterprise bank> db.customer.find() [  
{  
  _id: ObjectId("61aef6edb29d18c1d253b9fe"),  
  AccountNo: 20001,  
  Name: 'Pravin Bhagwat',  
  Balance: 50300, Address:  
  'Pune', Password: '$jenf$'  
},  
{  
  _id: ObjectId("61aef747b29d18c1d253b9ff"),  
  AccountNo: 20002,  
  Name: 'Nikhil Shinde',  
  Balance: 2000, Address:  
  'Nashik', Password:  
  '@fsgawfc$'  
},  
{  
  _id: ObjectId("61aef776b29d18c1d253ba00"),  
  AccountNo: 20003,  
  Name: 'Indrajeet Karande', Balance:  
  10000,
```

```

    Address: 'Pimpri-Chinchwad',
    Password: '%fgdhdr$'
  },
  {
    _id: ObjectId("61aef7a6b29d18c1d253ba01"),
    AccountNo: 20004,
    Name: 'Bhushan Asthi',
    Balance: 450000, Address:
    'Gondia', Password: 'jhvfj$E'
  }
]

Enterprise bank> db.customer.updateMany({}, { "$inc": { "Balance": 10 } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}

Enterprise bank> db.customer.find() [
  {
    _id: ObjectId("61aef6edb29d18c1d253b9fe"),
    AccountNo: 20001,
    Name: 'Pravin Bhagwat',
    Balance: 50310, Address:
    'Pune', Password: '$jenf$'
  },
  {
    _id: ObjectId("61aef747b29d18c1d253b9ff"),
    AccountNo: 20002,
    Name: 'Nikhil Shinde',
    Balance: 2010, Address:
    'Nashik', Password:
    '@fsgawfc$'
  },
  {
    _id: ObjectId("61aef776b29d18c1d253ba00"),
    AccountNo: 20003,
    Name: 'Indrajeet Karande', Balance:
    10010,
    Address: 'Pimpri-Chinchwad',
    Password: '%fgdhdr$'
  }
]

```

```

    },
    {
      _id: ObjectId("61aef7a6b29d18c1d253ba01"),
      AccountNo: 20004,
      Name: 'Bhushan Asthi',
      Balance: 450010, Address:
      'Gondia', Password: 'jhvfj$E'
    }
  ]

```

```

Enterprise bank> db.customer.deleteOne( { "AccountNo" : 20002 } )
{ acknowledged: true, deletedCount: 1 }

```

```

Enterprise bank> db.customer.find() [
  {
    _id: ObjectId("61aef6edb29d18c1d253b9fe"),
    AccountNo: 20001,
    Name: 'Pravin Bhagwat',
    Balance: 50310, Address:
    'Pune', Password: '$jenf$'
  },
  {
    _id: ObjectId("61aef776b29d18c1d253ba00"),
    AccountNo: 20003,
    Name: 'Indrajeet Karande', Balance:
    10010,
    Address: 'Pimpri-Chinchwad',
    Password: '%fgdhdr$'
  },
  {
    _id: ObjectId("61aef7a6b29d18c1d253ba01"),
    AccountNo: 20004,
    Name: 'Bhushan Asthi',
    Balance: 450010, Address:
    'Gondia', Password: 'jhvfj$E'
  }
]

```

```

Enterprise bank> db.customer.deleteOne( {} )
{ acknowledged: true, deletedCount: 1 } Enterprise
bank> db.customer.find()
[

```

```
{
  _id: ObjectId("61aef776b29d18c1d253ba00"),
  AccountNo: 20003,
  Name: 'Indrajeet Karande', Balance:
  10010,
  Address: 'Pimpri-Chinchwad',
  Password: '%fgdhdrq$'
},
{
  _id: ObjectId("61aef7a6b29d18c1d253ba01"),
  AccountNo: 20004,
  Name: 'Bhushan Asthi',
  Balance: 450010, Address:
  'Gondia', Password: 'jhvfj$E'
}
]
```

```
Enterprise bank> db.customer.deleteMany({})
{ acknowledged: true, deletedCount: 1 } Enterprise
bank> db.customer.find()
```