

MONGODB COMMANDS

Project:Insurance Management Database

Start mongodb shell

Mongodb

Show dbs

```
test> show dbs
admin   40.00 KiB
config  80.00 KiB
local   72.00 KiB
```

Create and Use Database

use InsuranceDB

Create Collections

```
db.createCollection("customers")
db.createCollection("policies")
db.createCollection("agents")
db.createCollection("policyassignments")
db.createCollection("claims")
```

show collections

show collections

insert data into Customers Collection

```
db.customers.insertMany([
  {
    customerid: 1,
    firstname: "Rahul",
    lastname: "Sharma",
    dob: ISODate("1995-04-12"),
    phone: "9876543210",
    email: "rahul@gmail.com"
```

```
},
{
    customerid: 2,
    firstname: "Anita",
    lastname: "Verma",
    dob: ISODate("1998-08-20"),
    phone: "9123456789",
    email: "anita@gmail.com"
},
{
    customerid: 3,
    firstname: "Suresh",
    lastname: "Kumar",
    dob: ISODate("1990-01-15"),
    phone: "9988776655",
    email: "suresh@gmail.com"
},
{
    customerid: 4,
    firstname: "Priya",
    lastname: "Singh",
    dob: ISODate("1997-06-10"),
    phone: "9090909090",
    email: "priya@gmail.com"
},
{
    customerid: 5,
    firstname: "Amit",
    lastname: "Patel",
    dob: ISODate("1993-11-25"),
```

```
    phone: "9555666777",
    email: "amit@gmail.com"
}
])
```

Insert data into Policies Collection

```
db.policies.insertMany([
  { policyid: 200, policymame: "Health Secure", policytype: "Health",
    premiumamount: 12000, durationyears: 5 },
  { policyid: 201, policymame: "Life Shield", policytype: "Life", premiumamount:
    15000, durationyears: 10 },
  { policyid: 202, policymame: "Car Protect", policytype: "Vehicle", premiumamount:
    8000, durationyears: 3 },
  { policyid: 203, policymame: "Home Safe", policytype: "Property", premiumamount:
    10000, durationyears: 7 },
  { policyid: 204, policymame: "Travel Guard", policytype: "Travel", premiumamount:
    5000, durationyears: 1 }
])
```

Insert data into Agents Collection

```
db.agents.insertMany([
  { agentid: 300, agentname: "Ramesh Rao", phone: "8888888888", city: "Hyderabad" },
  { agentid: 301, agentname: "Sunita Das", phone: "7777777777", city: "Bangalore" },
  { agentid: 302, agentname: "Kiran Mehta", phone: "6666666666", city: "Mumbai" },
  { agentid: 303, agentname: "Neha Jain", phone: "9999999999", city: "Delhi" },
  { agentid: 304, agentname: "Arjun Nair", phone: "5555555555", city: "Chennai" }
])
```

Insert data into Policy Assignments Collection

```
db.policyassignments.insertMany([
  {
    assignmentid: 1,
    customerid: 1,
    policyid: 200,
```

```
        agentid: 300,  
        startdate: ISODate("2023-01-01"),  
        enddate: ISODate("2028-01-01")  
    },  
    {  
        assignmentid: 2,  
        customerid: 2,  
        policyid: 201,  
        agentid: 301,  
        startdate: ISODate("2022-05-15"),  
        enddate: ISODate("2032-05-15")  
    },  
    {  
        assignmentid: 3,  
        customerid: 3,  
        policyid: 202,  
        agentid: 302,  
        startdate: ISODate("2024-03-10"),  
        enddate: ISODate("2027-03-10")  
    },  
    {  
        assignmentid: 4,  
        customerid: 4,  
        policyid: 203,  
        agentid: 303,  
        startdate: ISODate("2021-09-20"),  
        enddate: ISODate("2028-09-20")  
    },  
    {  
        assignmentid: 5,
```

```
        customerid: 5,  
        policyid: 204,  
        agentid: 304,  
        startdate: ISODate("2024-01-05"),  
        enddate: ISODate("2025-01-05")  
    }  
])
```

Insert data into Policy Assignments Collection

```
db.policyassignments.insertMany([
```

```
{  
    assignmentid: 1,  
    customerid: 1,  
    policyid: 200,  
    agentid: 300,  
    startdate: ISODate("2023-01-01"),  
    enddate: ISODate("2028-01-01")
```

```
},
```

```
{  
    assignmentid: 2,  
    customerid: 2,  
    policyid: 201,  
    agentid: 301,  
    startdate: ISODate("2022-05-15"),  
    enddate: ISODate("2032-05-15")
```

```
},
```

```
{  
    assignmentid: 3,  
    customerid: 3,  
    policyid: 202,  
    agentid: 302,
```

```
        startdate: ISODate("2024-03-10"),
        enddate: ISODate("2027-03-10")
    },
    {
        assignmentid: 4,
        customerid: 4,
        policyid: 203,
        agentid: 303,
        startdate: ISODate("2021-09-20"),
        enddate: ISODate("2028-09-20")
    },
    {
        assignmentid: 5,
        customerid: 5,
        policyid: 204,
        agentid: 304,
        startdate: ISODate("2024-01-05"),
        enddate: ISODate("2025-01-05")
    }
])
])
```

Insert data into Claims Collection

```
db.claims.insertMany([
    {
        claimid: 400,
        assignmentid: 1,
        claimdate: ISODate("2024-02-10"),
        claimmoney: 50000,
        claimstatus: "Approved"
    },
    {
```

```
        claimid: 401,  
        assignmentid: 2,  
        claimdate: ISODate("2023-11-05"),  
        claimmoney: 100000,  
        claimstatus: "Pending"  
    },  
    {  
        claimid: 402,  
        assignmentid: 3,  
        claimdate: ISODate("2024-06-18"),  
        claimmoney: 20000,  
        claimstatus: "Rejected"  
    },  
    {  
        claimid: 403,  
        assignmentid: 4,  
        claimdate: ISODate("2022-12-25"),  
        claimmoney: 75000,  
        claimstatus: "Approved"  
    },  
    {  
        claimid: 404,  
        assignmentid: 5,  
        claimdate: ISODate("2024-08-01"),  
        claimmoney: 15000,  
        claimstatus: "Pending"  
    }  
])
```

Find All Customers

```
db.customers.find()
```

Find Specific Customer

```
db.customers.find({ customerid: 1 })
```

Display Selected Fields

```
db.customers.find(  
  { customerid: 2 },  
  { firstname: 1, lastname: 1, email: 1, _id: 0 }  
)
```

Update One Document

```
db.customers.updateOne(  
  { customerid: 1 },  
  { $set: { phone: "9111111111" } }  
)
```

Update Multiple Documents

```
db.policies.updateMany(  
  { policytype: "Health" },  
  { $set: { premiumamount: 20000 } }  
)
```

Delete One Claim

```
db.claims.deleteOne({ claimid: 404 })
```

Delete Multiple Documents

```
db.policies.deleteMany({ policytype: "Travel" })
```

Delete Multiple Documents

```
db.claims.deleteMany({ claimstatus: "Pending" })
```