

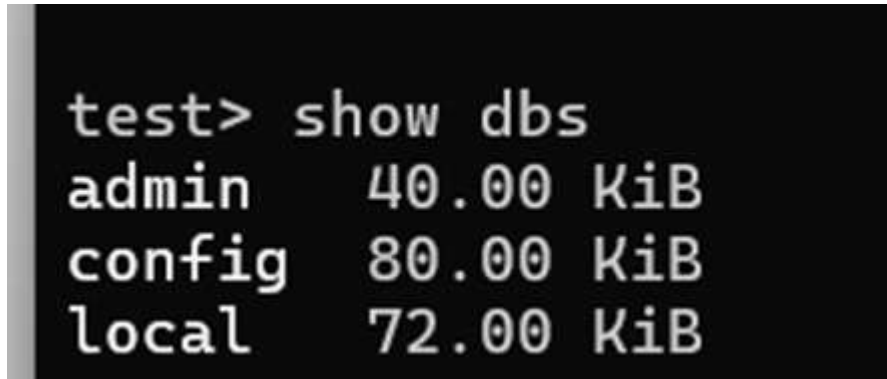
## MONGODB COMMANDS

**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"  
  }  
D)
```

### **Insert data into Policies Collection**

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

### **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" }  
D)
```

### **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,
```

## Insert data into Policy Assignments Collection

```
    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"  
  }  
]  
D)
```

### **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" })
```