**1.1- use CgProductDB**

**1.2-**  **db.createCollection("ProductCollection")**

**1.3**

**db.ProductCollection.insert([{ \_id:3,item:"Polo Tshirt",prodCat :"Clothing",price:1200.0,quantity: 3,orderInfo:{\_id:"O003",orderdate: ISODate("2014-03-05"),address:{street:"56,Nigadi",city:"Pune",state:"MS",zipcode:411044,coords: [ -45.897677, 56.987647 ]},email:"gestabin@capgemini.com",mobiles:[7867676686]}}])**

**db.ProductCollection.insert([{ \_id:4,item:"Scanner",prodCat :"Electronics",price:17000.0,quantity: 16,orderInfo:{"\_id":"O004","orderdate" : ISODate("2010-02-12"),address:{street:"Tansen nagar",city:"Gwalior",state:"MP",zipcode:474003,coords: [ -32.90007, 40.8983456 ]},email:"gmyt@ibm.com",mobiles:[4365788687]}}])**

**db.ProductCollection.insert([{ \_id:7,item:"Watch",prodCat :"Accessories",price:2400.0,quantity: 14,orderInfo:{"\_id":"O007","orderdate" : ISODate("2012-07-11"),address:{street:"MG Road",city:"Delhi",state:"Delhi",zipcode:547567,coords: [ -11.80007, 63.9897656 ]},email:"capg@techm.com",mobiles:[7865786967]}}])**

**db.ProductCollection.insert([{ \_id:8,item:"Jeans",prodCat :"Clothing",price:6000.0,quantity: 7,orderInfo:{"\_id":"O008","orderdate" : ISODate("2010-03-18"),address:{street:"Mp. Nagar",city:"Bhopal",state:"MP",zipcode:456234,coords: [ -89.859007, 8.674666 ]},email:"anjulata@gmail.com",mobiles:[9878979575,9780989088]}}])**

**1.4 db.ProductCollection.find({},{\_id:1,item:1});**

{ "\_id" : 1, "item" : "Laptop" }

{ "\_id" : 2, "item" : "Mobile" }

{ "\_id" : 5, "item" : "TV" }

{ "\_id" : 6, "item" : "Bangles" }

{ "\_id" : 3, "item" : "Polo Tshirt" }

{ "\_id" : 4, "item" : "Scanner" }

{ "\_id" : 7, "item" : "Watch" }

{ "\_id" : 8, "item" : "Jeans" }

**1.5 db.ProductCollection.find({},{"orderInfo.address.coords":0,"orderInfo.email":0**

**}).pretty();**

"\_id" : 1,

"item" : "Laptop",

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987

},

"mobiles" : [

8888108810

]

}

}

{

"\_id" : 2,

"item" : "Mobile",

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081

},

"mobiles" : [

9856342189

]

}

}

{

"\_id" : 5,

"item" : "TV",

"prodCat" : "Electronics",

"price" : 24000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777

},

"mobiles" : [

7865452222

]

}

}

{

"\_id" : 6,

"item" : "Bangles",

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224

},

"mobiles" : [

8888108850,

9402312123

]

}

}

{

"\_id" : 3,

"item" : "Polo Tshirt",

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044

},

"mobiles" : [

7867676686

]

},

"orderstatus" : "Pending"

}

{

"\_id" : 4,

"item" : "Scanner",

"prodCat" : "Electronics",

"price" : 17000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Tansen nagar",

"city" : "Gwalior",

"state" : "MP",

"zipcode" : 474003

},

"mobiles" : [

4365788687

]

}

}

{

"\_id" : 7,

"item" : "Watch",

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567

},

"mobiles" : [

7865786967

]

}

}

{

"\_id" : 8,

"item" : "Jeans",

"prodCat" : "Clothing",

"price" : 6000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234

},

"mobiles" : [

9878979575,

9780989088

]

}

}

{

"\_id" : 10,

"item" : "Laptop",

"prodCat" : "Electronics",

"price" : 25000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003

},

"mobiles" : [

4367687687

]

}

}

**1.6 db.ProductCollection.update({\_id:3},{$set:{orderstatus:"Pending"}});**

"\_id" : 3,

"item" : "Polo Tshirt",

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686

]

},

"orderstatus" : "Pending"

**1.7 db.ProductCollection.update({item:"Laptop"},{$inc:{price:5000}});**

"\_id" : 1,

"item" : "Laptop",

"prodCat" : "Electronics",

"price" : 35000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

}

}

**1.8 db.ProductCollection.update({item:"Laptop"},{$inc:{price:5000}},{multi:true});**

"\_id" : 1,

"item" : "Laptop",

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

}

"\_id" : 2,

"item" : "Mobile",

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

}

"\_id" : 5,

"item" : "TV",

"prodCat" : "Electronics",

"price" : 24000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

}

"\_id" : 6,

"item" : "Bangles",

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

}

"\_id" : 3,

"item" : "Polo Tshirt",

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686

]

},

"orderstatus" : "Pending"

"\_id" : 4,

"item" : "Scanner",

"prodCat" : "Electronics",

"price" : 17000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Tansen nagar",

"city" : "Gwalior",

"state" : "MP",

"zipcode" : 474003,

"coords" : [

-32.90007,

40.8983456

]

},

"email" : "gmyt@ibm.com",

"mobiles" : [

4365788687

]

}

"\_id" : 7,

"item" : "Watch",

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

}

"\_id" : 8,

"item" : "Jeans",

"prodCat" : "Clothing",

"price" : 6000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

}

"\_id" : 10,

"item" : "Laptop",

"prodCat" : "Electronics",

"price" : 25000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

}

**1.9 db.ProductCollection.update({"\_id":3},{$push:{"orderInfo.mobiles":"9087987987"**

**}});**

{

"\_id" : 3,

"item" : "Polo Tshirt",

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending"

}

**1.10**

**db.ProductCollection.insert([{ \_id:11,item:"CD",prodCat :"Stationary",price:50.0,quantity: 16,orderInfo:{"\_id":"O011","orderdate" : ISODate("2010-07-14"),address:{street:"Bhel Chowk",city:"Puner",state:"MS",zipcode:467687,coords: [ -56.90007, 78.4583456 ]},email:"cd@ibm.com",mobiles:[8787979778]}}])**

{

"\_id" : 11,

"item" : "CD",

"prodCat" : "Stationary",

"price" : 50,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O011",

"orderdate" : ISODate("2010-07-14T00:00:00Z"),

"address" : {

"street" : "Bhel Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 467687,

"coords" : [

-56.90007,

78.4583456

]

},

"email" : "cd@ibm.com",

"mobiles" : [

8787979778

]

}

}

* **db.ProductCollection.update({"\_id":11},{$set:{price:40,prodCat:"Electronics"}}**

**);**

{

"\_id" : 11,

"item" : "CD",

"prodCat" : "Electronics",

"price" : 40,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O011",

"orderdate" : ISODate("2010-07-14T00:00:00Z"),

"address" : {

"street" : "Bhel Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 467687,

"coords" : [

-56.90007,

78.4583456

]

},

"email" : "cd@ibm.com",

"mobiles" : [

8787979778

]

}

}

**1.11 db.ProductCollection.update({},{$rename:{"item":"productName"}},{multi:true})**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 24000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 6,

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

},

"productName" : "Bangles"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 4,

"prodCat" : "Electronics",

"price" : 17000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Tansen nagar",

"city" : "Gwalior",

"state" : "MP",

"zipcode" : 474003,

"coords" : [

-32.90007,

40.8983456

]

},

"email" : "gmyt@ibm.com",

"mobiles" : [

4365788687

]

},

"productName" : "Scanner"

}

{

"\_id" : 7,

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

},

"productName" : "Watch"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 6000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

},

"productName" : "Jeans"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 25000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

{

"\_id" : 11,

"prodCat" : "Electronics",

"price" : 40,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O011",

"orderdate" : ISODate("2010-07-14T00:00:00Z"),

"address" : {

"street" : "Bhel Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 467687,

"coords" : [

-56.90007,

78.4583456

]

},

"email" : "cd@ibm.com",

"mobiles" : [

8787979778

]

},

"productName" : "CD"

}

* 1. **db.ProductCollection.remove({\_id:4})**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 24000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 6,

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

},

"productName" : "Bangles"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 7,

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

},

"productName" : "Watch"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 6000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

},

"productName" : "Jeans"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 25000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

{

"\_id" : 11,

"prodCat" : "Electronics",

"price" : 40,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O011",

"orderdate" : ISODate("2010-07-14T00:00:00Z"),

"address" : {

"street" : "Bhel Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 467687,

"coords" : [

-56.90007,

78.4583456

]

},

"email" : "cd@ibm.com",

"mobiles" : [

8787979778

]

},

"productName" : "CD"

}

**1.13 db.ProductCollection.remove({"productName":/C/})**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 24000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 6,

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

},

"productName" : "Bangles"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 7,

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

},

"productName" : "Watch"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 6000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

},

"productName" : "Jeans"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 25000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.14**

**db.ProductCollection.find({$or:[{prodCat:"Electronics"},{productName:"TV"}]}).pretty();**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 24000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 25000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.15 db.ProductCollection.find({price:{$gt:40000}}).pretty();**

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 45000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.16 db.ProductCollection.find({price:{$gt:40000}},{productName:1,price:1,prodCat:1**

**}).pretty();**

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"productName" : "TV"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 670000,

"productName" : "Jeans"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"productName" : "Laptop"

}

**1.17 db.ProductCollection.find({price:{$gt:40000}},{productName:1,prodCat:1,price:1**

**}).pretty().limit(3);**

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"productName" : "TV"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 670000,

"productName" : "Jeans"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"productName" : "Laptop"

}

**1.18 db.ProductCollection.find({"orderInfo.address.state":"MS"}).pretty();**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.19 db.ProductCollection.find().sort({price:-1}).pretty();**

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 670000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

},

"productName" : "Jeans"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 6,

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

},

"productName" : "Bangles"

}

{

"\_id" : 7,

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

},

"productName" : "Watch"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

**1.20 db.ProductCollection.find().sort({prodCat:1}).pretty();**

{

"\_id" : 7,

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

},

"productName" : "Watch"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 670000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

},

"productName" : "Jeans"

}

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

{

"\_id" : 6,

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

},

"productName" : "Bangles"

}

**1.21 db.ProductCollection.find({},{}).limit(3).pretty();**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

**1.22**

**db.ProductCollection.find().forEach(function(doc){print("ProductName: "+doc.pr**

**oductName+" Product Category: "+doc.prodCat+" Product Price; "+doc.price+" Order**

**Date: "+doc.orderInfo.orderdate+" Order State: "+doc.orderInfo.address.state+"\**

**n")}).pretty();**

ProductName: Laptop Product Category: Electronics Product Price; 40000 Order Dat

e: Wed Jan 01 2014 05:30:00 GMT+0530 (India Standard Time) Order State: MS

ProductName: Mobile Product Category: Electronics Product Price; 15000 Order Dat

e: Fri Mar 12 2010 05:30:00 GMT+0530 (India Standard Time) Order State: MS

ProductName: TV Product Category: Electronics Product Price; 70000 Order Date: S

un Jun 17 2012 05:30:00 GMT+0530 (India Standard Time) Order State: UP

ProductName: Bangles Product Category: Jewellery Product Price; 4000 Order Date:

Sun May 16 2010 05:30:00 GMT+0530 (India Standard Time) Order State: West Bengo

l

ProductName: Polo Tshirt Product Category: Clothing Product Price; 1200 Order Da

te: Wed Mar 05 2014 05:30:00 GMT+0530 (India Standard Time) Order State: MS

ProductName: Watch Product Category: Accessories Product Price; 2400 Order Date:

Wed Jul 11 2012 05:30:00 GMT+0530 (India Standard Time) Order State: Delhi

ProductName: Jeans Product Category: Clothing Product Price; 670000 Order Date:

Thu Mar 18 2010 05:30:00 GMT+0530 (India Standard Time) Order State: MP

ProductName: Laptop Product Category: Electronics Product Price; 500000 Order Da

te: Fri Feb 12 2010 05:30:00 GMT+0530 (India Standard Time) Order State: MS

**1.23 db.ProductCollection.find({$or:[{"orderInfo.address.state":"MS"},{"orderInfo.a**

**ddress.state":"UP"}]}).pretty();**

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.24 db.ProductCollection.find({$and:[{price:{$gt:40000}},{"orderInfo.address.state**

**":"MS"}]}).pretty();**

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Puner",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.25 db.ProductCollection.find({$and:[{prodCat:"Electronics"},{"orderInfo.address.c**

**ity":"Pune"}]}).pretty();**

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Pune",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

**1.26**

**var mycursor5=db.ProductCollection.find().sort({prodCat:1});**

**while(mycursor4.hasNext()){print(tojson(mycursor5.next()))}**

{

"\_id" : 7,

"prodCat" : "Accessories",

"price" : 2400,

"quantity" : 14,

"orderInfo" : {

"\_id" : "O007",

"orderdate" : ISODate("2012-07-11T00:00:00Z"),

"address" : {

"street" : "MG Road",

"city" : "Delhi",

"state" : "Delhi",

"zipcode" : 547567,

"coords" : [

-11.80007,

63.9897656

]

},

"email" : "capg@techm.com",

"mobiles" : [

7865786967

]

},

"productName" : "Watch"

}

{

"\_id" : 3,

"prodCat" : "Clothing",

"price" : 1200,

"quantity" : 3,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2014-03-05T00:00:00Z"),

"address" : {

"street" : "56,Nigadi",

"city" : "Pune",

"state" : "MS",

"zipcode" : 411044,

"coords" : [

-45.897677,

56.987647

]

},

"email" : "gestabin@capgemini.com",

"mobiles" : [

7867676686,

"9087987987"

]

},

"orderstatus" : "Pending",

"productName" : "Polo Tshirt"

}

{

"\_id" : 8,

"prodCat" : "Clothing",

"price" : 670000,

"quantity" : 7,

"orderInfo" : {

"\_id" : "O008",

"orderdate" : ISODate("2010-03-18T00:00:00Z"),

"address" : {

"street" : "Mp. Nagar",

"city" : "Bhopal",

"state" : "MP",

"zipcode" : 456234,

"coords" : [

-89.859007,

8.674666

]

},

"email" : "anjulata@gmail.com",

"mobiles" : [

9878979575,

9780989088

]

},

"productName" : "Jeans"

}

{

"\_id" : 1,

"prodCat" : "Electronics",

"price" : 40000,

"quantity" : 2,

"orderInfo" : {

"\_id" : "O001",

"orderdate" : ISODate("2014-01-01T00:00:00Z"),

"address" : {

"street" : "66,Airoli",

"city" : "Mumbai",

"state" : "MS",

"zipcode" : 700987,

"coords" : [

-73.856077,

40.848447

]

},

"email" : "capgemini@capgemini.com",

"mobiles" : [

8888108810

]

},

"productName" : "Laptop"

}

{

"\_id" : 2,

"prodCat" : "Electronics",

"price" : 15000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O002",

"orderdate" : ISODate("2010-03-12T00:00:00Z"),

"address" : {

"street" : "FC Road",

"city" : "Pune",

"state" : "MS",

"zipcode" : 40081,

"coords" : [

-23.80007,

30.1123456

]

},

"email" : "icres@ibm.com",

"mobiles" : [

9856342189

]

},

"productName" : "Mobile"

}

{

"\_id" : 5,

"prodCat" : "Electronics",

"price" : 70000,

"quantity" : 10,

"orderInfo" : {

"\_id" : "O003",

"orderdate" : ISODate("2012-06-17T00:00:00Z"),

"address" : {

"street" : "GT Road",

"city" : "Sahibabad",

"state" : "UP",

"zipcode" : 567777,

"coords" : [

-11.80007,

13.1123456

]

},

"email" : "techm@techm.com",

"mobiles" : [

7865452222

]

},

"productName" : "TV"

}

{

"\_id" : 10,

"prodCat" : "Electronics",

"price" : 500000,

"quantity" : 16,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-02-12T00:00:00Z"),

"address" : {

"street" : "Sambhaji Chowk",

"city" : "Pune",

"state" : "MS",

"zipcode" : 474003,

"coords" : [

-82.90007,

49.8983456

]

},

"email" : "gym@ibm.com",

"mobiles" : [

4367687687

]

},

"productName" : "Laptop"

}

{

"\_id" : 6,

"prodCat" : "Jewellery",

"price" : 4000,

"quantity" : 1,

"orderInfo" : {

"\_id" : "O004",

"orderdate" : ISODate("2010-05-16T00:00:00Z"),

"address" : {

"street" : "Salt Lake",

"city" : "Kolkata",

"state" : "West Bengol",

"zipcode" : 222224,

"coords" : [

-67.850007,

9.456666

]

},

"email" : "vaishali@gmail.com",

"mobiles" : [

8888108850,

9402312123

]

},

"productName" : "Bangles"

}