

MongoDB Basic Practice Task

1.Database & Collection Setup

- i. Database created : products
- ii. Collection created : gadget

```
mongosh mongodb://127.0.0.1:27017/
Microsoft Windows [Version 10.0.26100.6584]
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C:\Users\Harish>mongosh
Current Mongosh Log ID: 693d80898f96dcd3641e2620
Connecting to:  mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.10
Using MongoDB:  8.2.2
Using Mongosh:  2.5.10

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

-----
The server generated these startup warnings when booting
2025-12-11T14:57:47.433+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

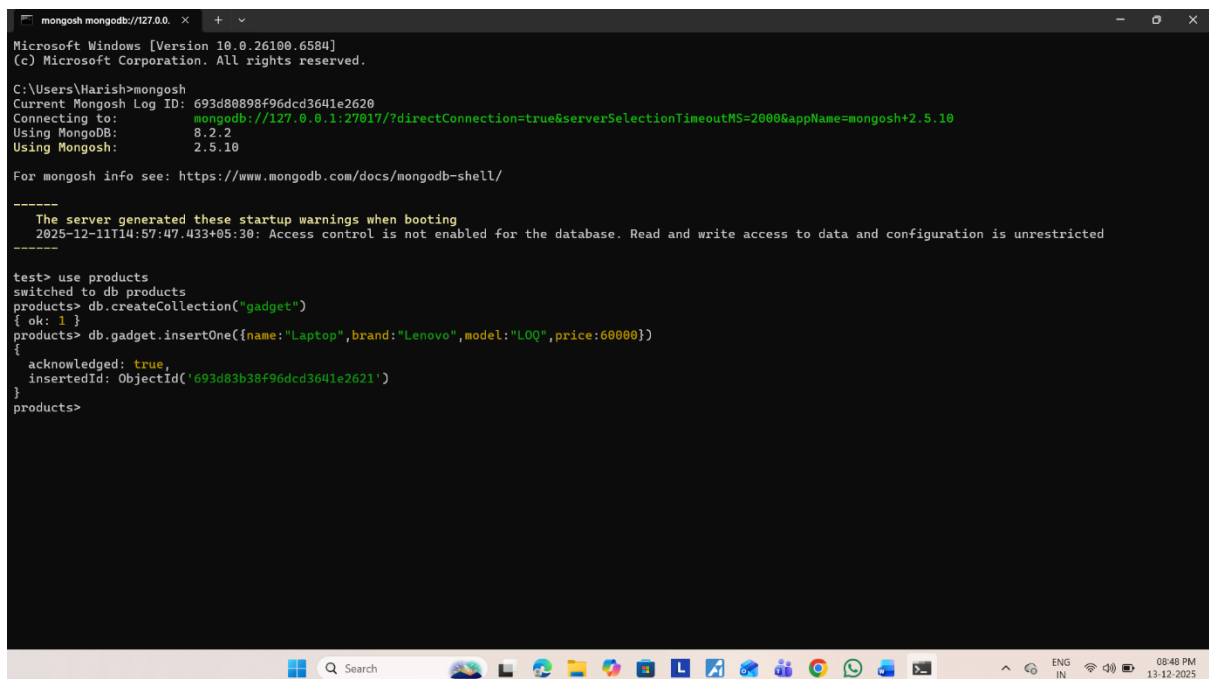
test> use products
switched to db products
products> db.createCollection("gadget")
{ ok: 1 }
products>
```

2.Insert Operations

i. Insert one document

Inserted one document :

Laptop, Lenovo, LOQ, 60000



```
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-----
  The server generated these startup warnings when booting
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-----

test> use products
switched to db products
products> db.createCollection("gadget")
{ ok: 1 }
products> db.gadget.insertOne({name:"Laptop",brand:"Lenovo",model:"LOQ",price:60000})
{
  acknowledged: true,
  insertedId: ObjectId('693d83b38f96dcd3641e2621')
}
products>
```

ii. Insert Multiple documents

Inserted many documents :

Multiple Products were added with name, brand, model, and price

HP Laptop, Samsung Mobile, Vivo Mobile, Noise Airpod, Asus Laptop, Apple Mobile, Acer Laptop, Iqoo Mobile.

```
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Current Mongosh Log ID: 693d80898f96dcd3641e2620
Connecting to:  mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.10
Using MongoDB:  4.2.2
Using Mongosh:   2.5.10
For mongosh info see: https://www.mongodb.com/docs/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-12-11T14:57:47.433+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

test> use products
switched to db products
products> db.createCollection("gadget")
{ ok: 1 }
products> db.gadget.insertOne({name:"Laptop",brand:"Lenovo",model:"LQ0",price:60000})
{ acknowledged: true,
  insertedId: ObjectId('693d83b38f96dcd3641e2621') }
products> db.gadget.insertMany([
  {name:"HP",model:"Victus",price:65000},
  {name:"Mobile",brand:"Samsung",model:"S24",price:120000},
  {name:"Mobile",brand:"Vivo",model:"X200",price:130000},
  {name:"Airpod",brand:"Noise",model:"VS102",price:999},
  {name:"Laptop",brand:"Asus",model:"TUF",price:68000},
  {name:"Mobile",brand:"Apple",model:"16Pro",price:12400},
  {name:"Laptop",brand:"Acer",model:"Aspire Lite",price:59000},
  {name:"Mobile",brand:"Iqoo",model:"Neo6",price:26000}
])
{ acknowledged: true,
  insertedIds: {
    '0': ObjectId('693d86b88f96dcd3641e2622'),
    '1': ObjectId('693d86b88f96dcd3641e2623'),
    '2': ObjectId('693d86b88f96dcd3641e2624'),
    '3': ObjectId('693d86b88f96dcd3641e2625'),
    '4': ObjectId('693d86b88f96dcd3641e2626'),
    '5': ObjectId('693d86b88f96dcd3641e2627'),
    '6': ObjectId('693d86b88f96dcd3641e2628'),
    '7': ObjectId('693d86b88f96dcd3641e2629')
  }
}
products> |
```

3. Read Operations

i. Fetch all Documents

```
mongosh mongodb://127.0.0.1:27000
acknowledged: true,
insertedIds: {
  '0': ObjectId('693d86b88f96dcd3641e2622'),
  '1': ObjectId('693d86b88f96dcd3641e2623'),
  '2': ObjectId('693d86b88f96dcd3641e2624'),
  '3': ObjectId('693d86b88f96dcd3641e2625'),
  '4': ObjectId('693d86b88f96dcd3641e2626'),
  '5': ObjectId('693d86b88f96dcd3641e2627'),
  '6': ObjectId('693d86b88f96dcd3641e2628'),
  '7': ObjectId('693d86b88f96dcd3641e2629')
}
products> db.gadget.find()
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2623'),
    name: 'Mobile',
    brand: 'Samsung',
    model: 'S24',
    price: 120000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2624'),
    name: 'Mobile',
    brand: 'Vivo',
    model: 'V200',
    price: 130000
  }
]
```

```
mongosh mongodb://127.0.0.1:27000
brand: 'Vivo',
model: 'V200',
price: 130000
},
{
  _id: ObjectId('693d86b88f96dcd3641e2625'),
  name: 'Airpod',
  brand: 'Noise',
  model: 'VS102',
  price: 999
},
{
  _id: ObjectId('693d86b88f96dcd3641e2626'),
  name: 'Laptop',
  brand: 'Asus',
  model: 'TUF',
  price: 68000
},
{
  _id: ObjectId('693d86b88f96dcd3641e2627'),
  name: 'Mobile',
  brand: 'Apple',
  model: '16Pro',
  price: 12400
},
{
  _id: ObjectId('693d86b88f96dcd3641e2628'),
  name: 'Laptop',
  brand: 'Acer',
  model: 'Aspire Lite',
  price: 59000
},
{
  _id: ObjectId('693d86b88f96dcd3641e2629'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26000
}
]
products>
```

ii. Fetch Specific Data

Filtered specific data using product name “Laptop”

```
mongosh mongodb://127.0.0.1:27025
> use products
products> db.gadget.find({name:"Laptop"})
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 68000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2628'),
    name: 'Laptop',
    brand: 'Acer',
    model: 'Aspire Lite',
    price: 59000
  }
]
products>
```

Filtered specific data using products price “26000”

```
mongosh mongodb://127.0.0.1:27025
> use products
products> db.gadget.find({price:26000})
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2629'),
    name: 'Mobile',
    brand: 'Iqoo',
    model: 'Neo6',
    price: 26000
  }
]
products>
```

4.Update Operations

i. Update single document

Updated offer to the Asus product “Free 3 Month Game Pass”

```
mongosh mongodb://127.0.0.1:27025
> use products
> db.gadget.find({price:26000})
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2629'),
    name: 'Mobile',
    brand: 'Iqoo',
    model: 'Neo6',
    price: 26000
  }
]
> db.gadget.updateOne({name:"Asus"},{$set: {Offer:"Free 3 Month Xbox Game Pass"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}
> db.gadget.updateOne({brand:"Asus"},{$set: {Offer:"Free 3 Month Xbox Game Pass"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.gadget.find()
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    price: 68000,
    Offer: 'Free 3 Month Xbox Game Pass'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2625'),
    name: 'Airpod',
    brand: 'Noise',
    model: 'VS102',
    price: 999
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 68000,
    Offer: 'Free 3 Month Xbox Game Pass'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2627'),
    name: 'Mobile',
    brand: 'Apple',
    model: '16Pro',
    price: 124000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2628'),
    name: 'Laptop',
    brand: 'Acer',
    model: 'Aspire Lite',
    price: 59000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2629'),
    name: 'Mobile',
    brand: 'Iqoo',
    model: 'Neo6',
    price: 26000
  }
]
products>
```

```
mongosh mongodb://127.0.0.1:27025
> use products
> db.gadget.find()
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    price: 68000,
    Offer: 'Free 3 Month Xbox Game Pass'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2625'),
    name: 'Airpod',
    brand: 'Noise',
    model: 'VS102',
    price: 999
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 68000,
    Offer: 'Free 3 Month Xbox Game Pass'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2627'),
    name: 'Mobile',
    brand: 'Apple',
    model: '16Pro',
    price: 124000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2628'),
    name: 'Laptop',
    brand: 'Acer',
    model: 'Aspire Lite',
    price: 59000
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2629'),
    name: 'Mobile',
    brand: 'Iqoo',
    model: 'Neo6',
    price: 26000
  }
]
products>
```

ii. Update multiple document

Updated all document "Free Boat Earphone"

```
mongosh mongodb://127.0.0.1:27027
> use products
products> db.gadget.updateMany({$set:{free:"Free Boat Earphone"}})
Uncaught:
SyntaxError: Unexpected token, expected ",", (1:23)
> 1 | db.gadget.updateMany({$set:{free:"Free Boat Earphone"}})
    |                                     ^
    |
    |
2 |

products> db.gadget.updateMany({},{$set:{free:"Free Boat Earphone"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 9,
  modifiedCount: 9,
  upsertedCount: 0
}
products>
```

```
mongosh mongodb://127.0.0.1:27027
products> db.gadget.find()
{
  matchedCount: 9,
  modifiedCount: 9,
  upsertedCount: 0
}
products> db.gadget.find()
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2623'),
    name: 'Mobile',
    brand: 'Samsung',
    model: 'S20',
    price: 120000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2624'),
    name: 'Mobile',
    brand: 'Vivo',
    model: 'X200',
    price: 130000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2625'),
    name: 'Airpod',
    free: 'Free Boat Earphone'
  }
]
```

```
mongosh mongodb://127.0.0.1:27000
name: 'Airpod',
brand: 'Noise',
model: 'VS182',
price: 999,
free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2626'),
  name: 'Laptop',
  brand: 'Asus',
  model: 'TUF',
  price: 68800,
  Offer: 'Free 3 Month Xbox Game Pass',
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2627'),
  name: 'Mobile',
  brand: 'Apple',
  model: '16Pro',
  price: 12400,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2628'),
  name: 'Laptop',
  brand: 'Acer',
  model: 'Aspire Lite',
  price: 59800,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2629'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26000,
  free: 'Free Boat Earphone'
}
]
products>
```


5.Delete Operations

i. Delete One document

Deleted Acer product

```
mongosh mongodb://127.0.0.1:27000
> use products
> db.gadget.find()
{
  model: 'VS102',
  price: 999,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2626'),
  name: 'Laptop',
  brand: 'Asus',
  model: 'TUF',
  price: 68800,
  free: 'Free 3 Month Xbox Game Pass',
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2627'),
  name: 'Mobile',
  brand: 'Apple',
  model: '16Pro',
  price: 12400,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2628'),
  name: 'Laptop',
  brand: 'Acer',
  model: 'Aspire Lite',
  price: 59000,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2629'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26000,
  free: 'Free Boat Earphone'
}
]
products> db.gadget.deleteOne({brand:"Acer"})
{ acknowledged: true, deletedCount: 1 }
products>
```

```
mongosh mongodb://127.0.0.1:27000
> use products
> db.gadget.find()
{
  _id: ObjectId('693d86b88f96dcd3641e2629'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26000,
  free: 'Free Boat Earphone'
}
]
products> db.gadget.deleteOne({brand:"Acer"})
{ acknowledged: true, deletedCount: 1 }
products> db.gadget.find()
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2623'),
    name: 'Mobile',
    brand: 'Samsung',
    model: 'S24',
    price: 120000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2624'),
    name: 'Mobile',
    brand: 'Vivo',
    model: 'X200'
  }
]
```

```
mongosh mongodb://127.0.0.1:27017/
> use products
products> find()
{
  name: 'Mobile',
  brand: 'Vivo',
  model: 'X200',
  price: 138000,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2625'),
  name: 'Airpod',
  brand: 'Noise',
  model: 'VS102',
  price: 999,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2626'),
  name: 'Laptop',
  brand: 'Asus',
  model: 'TUF',
  price: 68000,
  Offer: 'Free 3 Month Xbox Game Pass',
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2627'),
  name: 'Mobile',
  brand: 'Apple',
  model: '16Pro',
  price: 12400,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2629'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26000,
  free: 'Free Boat Earphone'
}
]
products>
```

ii. Delete Many document

Deleted products less than 27000

```
mongosh mongodb://127.0.0.1:27000
> use products
> db.products.find()
{
  _id: ObjectId('693d86b88f96dcd3641e2625'),
  name: 'Airpod',
  brand: 'Noise',
  model: 'V5182',
  price: 999,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2626'),
  name: 'Laptop',
  brand: 'Asus',
  model: 'TUF',
  price: 68800,
  free: 'Free 3 Month Xbox Game Pass',
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2627'),
  name: 'Mobile',
  brand: 'Apple',
  model: '16Pro',
  price: 12400,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2629'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26800,
  free: 'Free Boat Earphone'
}
]
products> db.products.deleteMany({price:{$lt:27000}})
{ acknowledged: true, deletedCount: 3 }
products>
```

```
mongosh mongodb://127.0.0.1:27000
> use products
> db.products.find()
{
  _id: ObjectId('693d86b88f96dcd3641e2621'),
  name: 'Laptop',
  brand: 'Lenovo',
  model: 'LQ0',
  price: 60800,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2622'),
  name: 'Laptop',
  brand: 'HP',
  model: 'Victus',
  price: 65800,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2623'),
  name: 'Mobile',
  brand: 'Samsung',
  model: 'S24',
  price: 120800,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2624'),
  name: 'Mobile',
  brand: 'Iqoo',
  model: 'Neo6',
  price: 26800,
  free: 'Free Boat Earphone'
}
]
products> db.products.deleteMany({price:{$lt:27000}})
{ acknowledged: true, deletedCount: 3 }
products> db.products.find()
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LQ0',
    price: 60800,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65800,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2623'),
    name: 'Mobile',
    brand: 'Samsung',
    model: 'S24',
    price: 120800,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2624'),
    name: 'Mobile',
    brand: 'Iqoo',
    model: 'Neo6',
    price: 26800,
    free: 'Free Boat Earphone'
  }
]
```

```
mongosh mongodb://127.0.0.1:27017/
> use products
products> find()
{
  name: 'Laptop',
  brand: 'Lenovo',
  model: 'I50',
  price: 60000,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2622'),
  name: 'Laptop',
  brand: 'HP',
  model: 'Victus',
  price: 65000,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2623'),
  name: 'Mobile',
  brand: 'Samsung',
  model: 'S24',
  price: 120000,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2624'),
  name: 'Mobile',
  brand: 'Vivo',
  model: 'X200',
  price: 130000,
  free: 'Free Boat Earphone'
},
{
  _id: ObjectId('693d86b88f96dcd3641e2626'),
  name: 'Laptop',
  brand: 'Asus',
  model: 'TUF',
  price: 60000,
  Offer: 'Free 3 Month Xbox Game Pass',
  free: 'Free Boat Earphone'
}
]
products>
```

6. Query Operators

i. $\$gt$

```
mongosh mongodb://127.0.0.1:27000
> use products
products> db.gadget.find({price:{$gt:100000}})
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2623'),
    name: 'Mobile',
    brand: 'Samsung',
    model: 'S24',
    price: 120000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2624'),
    name: 'Mobile',
    brand: 'Vivo',
    model: 'X200',
    price: 130000,
    free: 'Free Boat Earphone'
  }
]
products>
```

ii. \$lt

```
mongosh mongodb://127.0.0.1:27020/
> use products
products> db.gadget.find({price:{<100000}})
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2624'),
    name: 'Mobile',
    brand: 'Vivo',
    model: 'X200',
    price: 130000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOO',
    price: 60000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 60000,
    Offer: 'Free 3 Month Xbox Game Pass',
    free: 'Free Boat Earphone'
  }
]
products>
```

iii. \$in

```
mongosh mongodb://127.0.0.1:27000
> use products
products> db.gadget.find({brand:{"$in":["Lenovo","Samsung"]}})
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 68000,
    Offer: 'Free 3 Month Xbox Game Pass',
    free: 'Free Boat Earphone'
  }
]
products>
```

iv. \$and

```
mongosh mongodb://127.0.0.1:27020/
> use products
products> db.gadget.find({brand:{$in:["Lenovo","Samsung"]}})
[
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 68999,
    offer: 'Free 3 Month Xbox Game Pass',
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 69999,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2623'),
    name: 'Mobile',
    brand: 'Samsung',
    model: 'S24',
    price: 129999,
    free: 'Free Boat Earphone'
  }
]
products> db.gadget.find({$and:[{name:"Laptop"},{price:{$lt:65000}}]})
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 69999,
    free: 'Free Boat Earphone'
  }
]
products>
```


v. \$or

```
mongosh mongodb://127.0.0.1:27000
products> db.gadget.find({$and:[{name:"Laptop"},{price:{$lt:65000}}]})
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000,
    free: 'Free Boat Earphone'
  }
]
products> db.gadget.find({$or:[{brand:"Lenovo"},{price:{$lt:100000}}]})
[
  {
    _id: ObjectId('693d83b38f96dcd3641e2621'),
    name: 'Laptop',
    brand: 'Lenovo',
    model: 'LOQ',
    price: 60000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2622'),
    name: 'Laptop',
    brand: 'HP',
    model: 'Victus',
    price: 65000,
    free: 'Free Boat Earphone'
  },
  {
    _id: ObjectId('693d86b88f96dcd3641e2626'),
    name: 'Laptop',
    brand: 'Asus',
    model: 'TUF',
    price: 60000,
    Offer: 'Free 3 Month Xbox Game Pass',
    free: 'Free Boat Earphone'
  }
]
products>
```