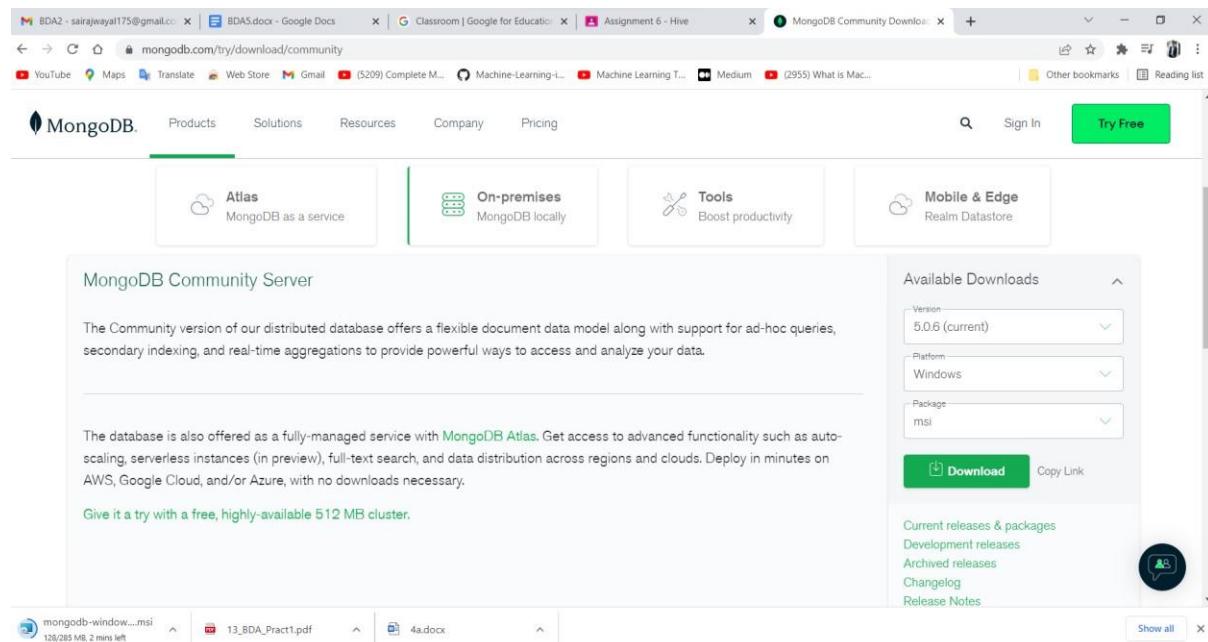


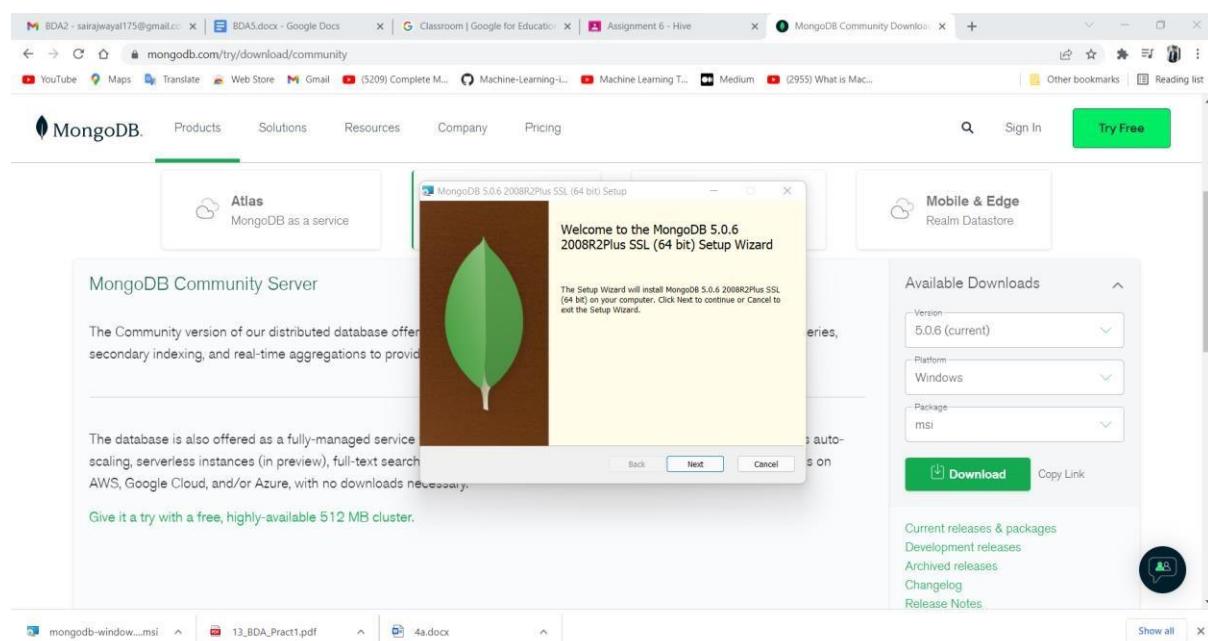
1. Go to link (<https://www.mongodb.com/try/download/community>) and Download MongoDB Community Server. We will install the 64-bit version for Windows.

The screenshot shows the MongoDB Community Downloads page. At the top, there's a banner for 'MongoDB World' and navigation links for Products, Solutions, Resources, Company, Pricing, Sign In, and Try Free. Below the banner, a section titled 'Choose which type of deployment is best for you' lists four options: Atlas (MongoDB as a service), On-premises (MongoDB locally), Tools (Boost productivity), and Mobile & Edge (Realm Datastore). A large section below is titled 'Download MongoDB Community Server'. It shows two dropdown menus: one for 'MongoDB Enterprise Server' and another for 'MongoDB Community Server'. The 'Community Server' dropdown includes a note: 'The Community version of our distributed database offers a flexible document data model along with support for ad-hoc queries,' and a dropdown for 'Available Downloads' showing 'Version 5.0.6 (current)'. A 'Try Free' button is located at the bottom right of this section.

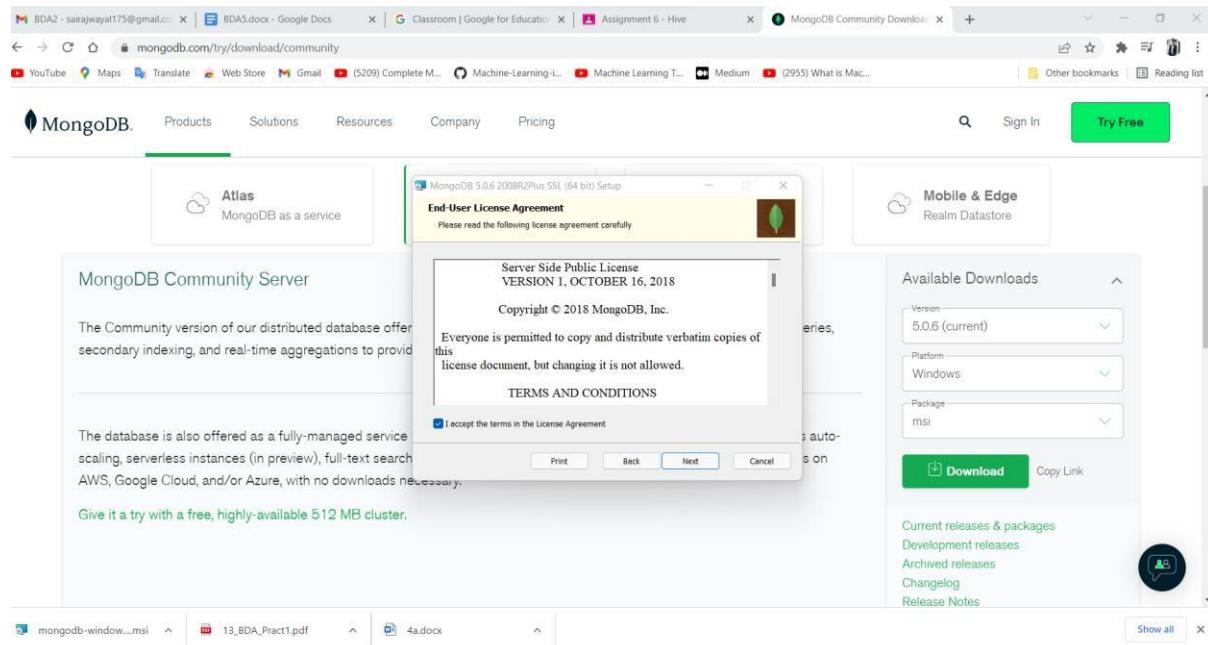
The screenshot shows the main MongoDB website. The navigation bar includes links for Products, Solutions, Resources, Company, Pricing, Sign In, and Try Free. The 'Products' tab is selected. Below the navigation, there's a grid of product offerings: Atlas (Multi-cloud database platform), Enterprise Advanced (Enterprise software and support), Community Edition (Free software used by millions), Realm (Data services for mobile & web), Tools (Build faster), Database (Enterprise Server), Search (Ops Manager), Cloud Manager (Functions, APIs, and more), Edge-to-Cloud Sync (Compass), Data Lake (Enterprise Kubernetes Operator), Community Kubernetes Operator (VS Code Plugin), Charts (Atlas CLI), Functions, APIs, and more (Shell), and Database Connectors (Database Connectors). A call-to-action 'Give it a try with a free, highly-available 512 MB cluster.' is visible. On the right side, there's a sidebar with links for 'Current releases & packages', 'Development releases', 'Archived releases', 'Changelog', and 'Release Notes'. A 'Try Free' button is also present here.



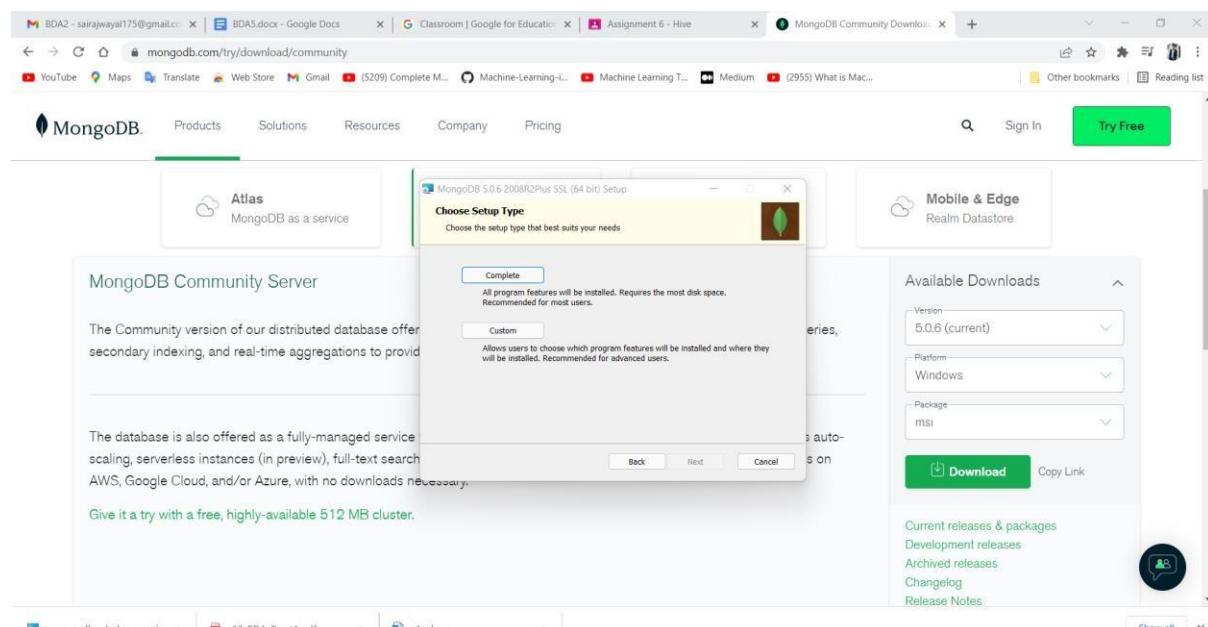
2). Once download is complete open the msi file. Click Next in the start-up screen



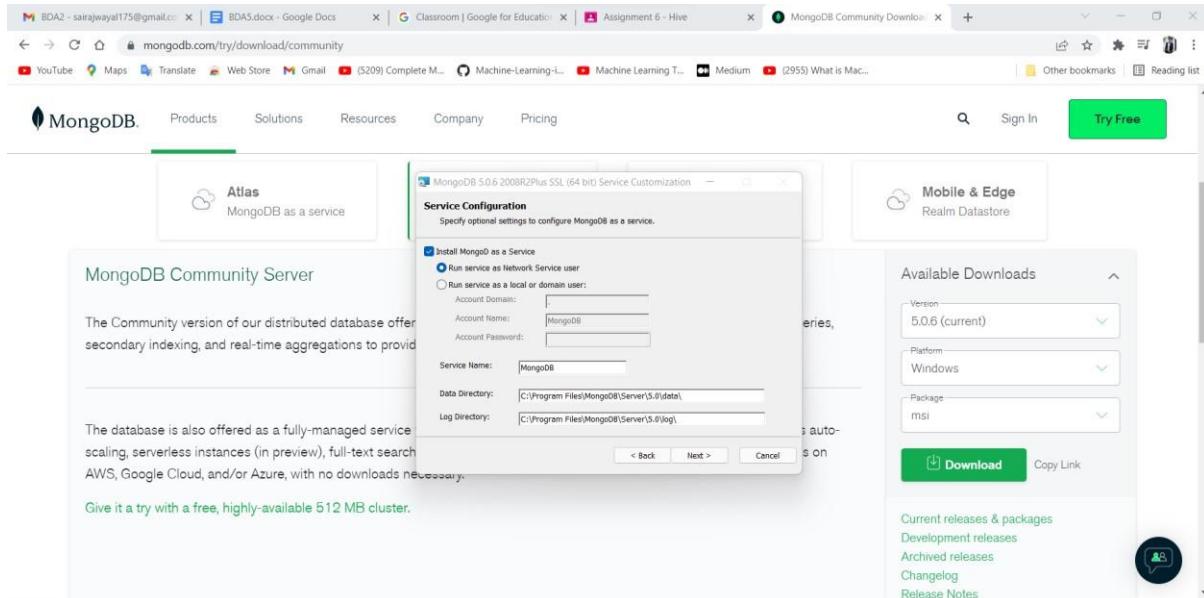
3) Accept the End-User License Agreement and Click Next



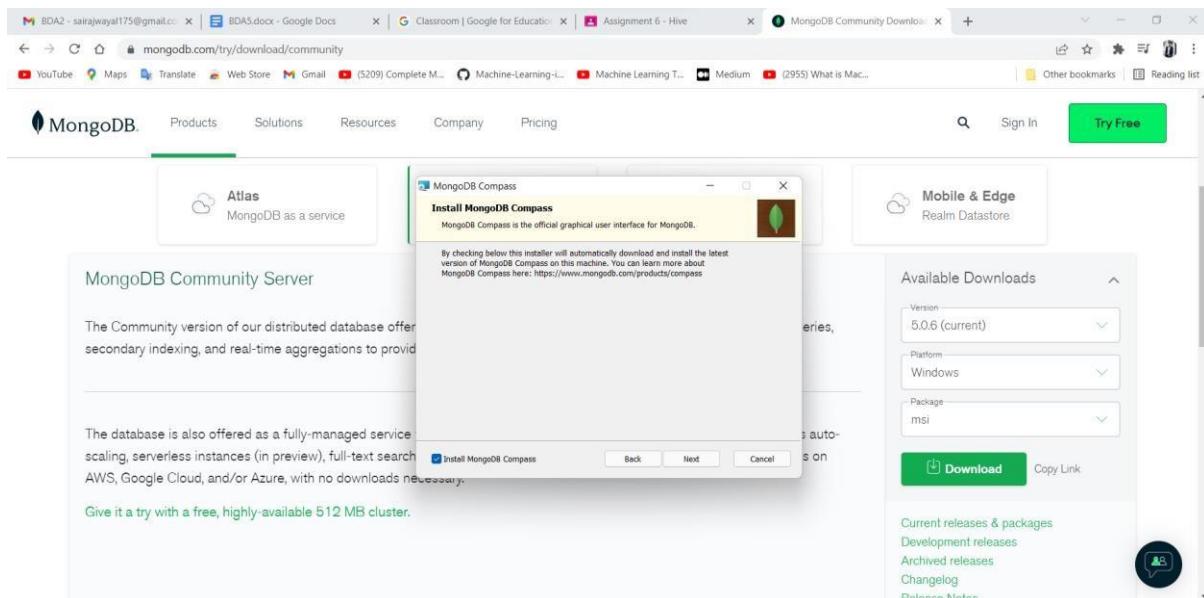
1. Click on the "complete" button to install all of the components. The custom option can be used to install selective components or if you want to change the location of the installation.

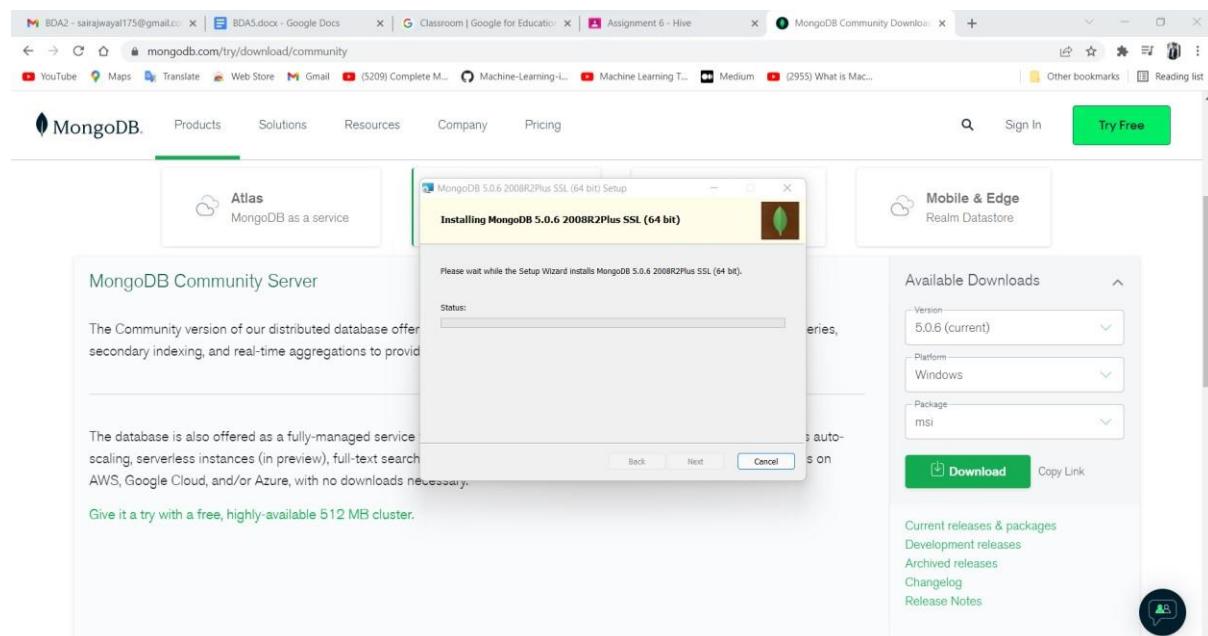
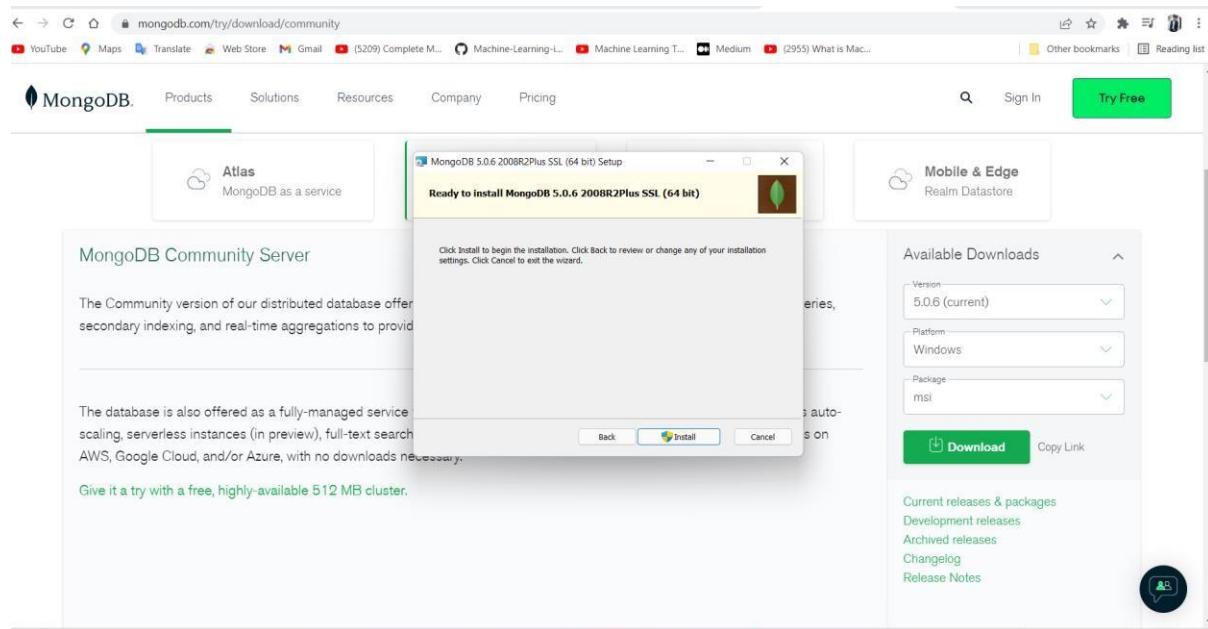


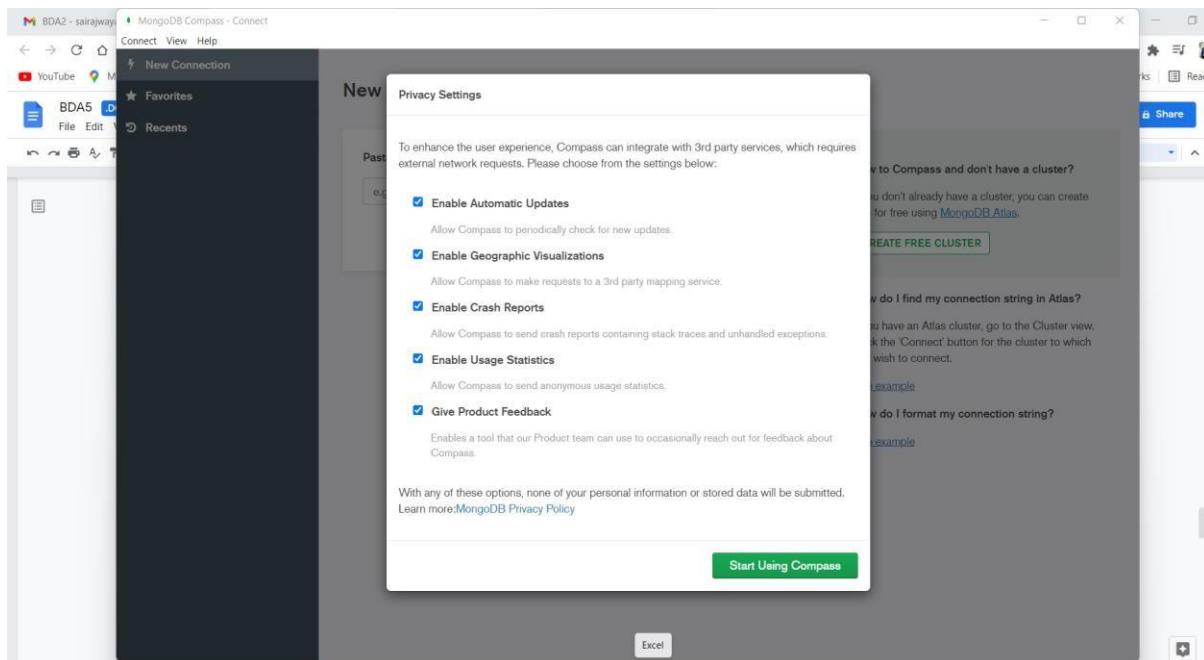
- 5) Select “Run service as Network Service user”. make a note of the data directory, we’ll need this later and Click Next



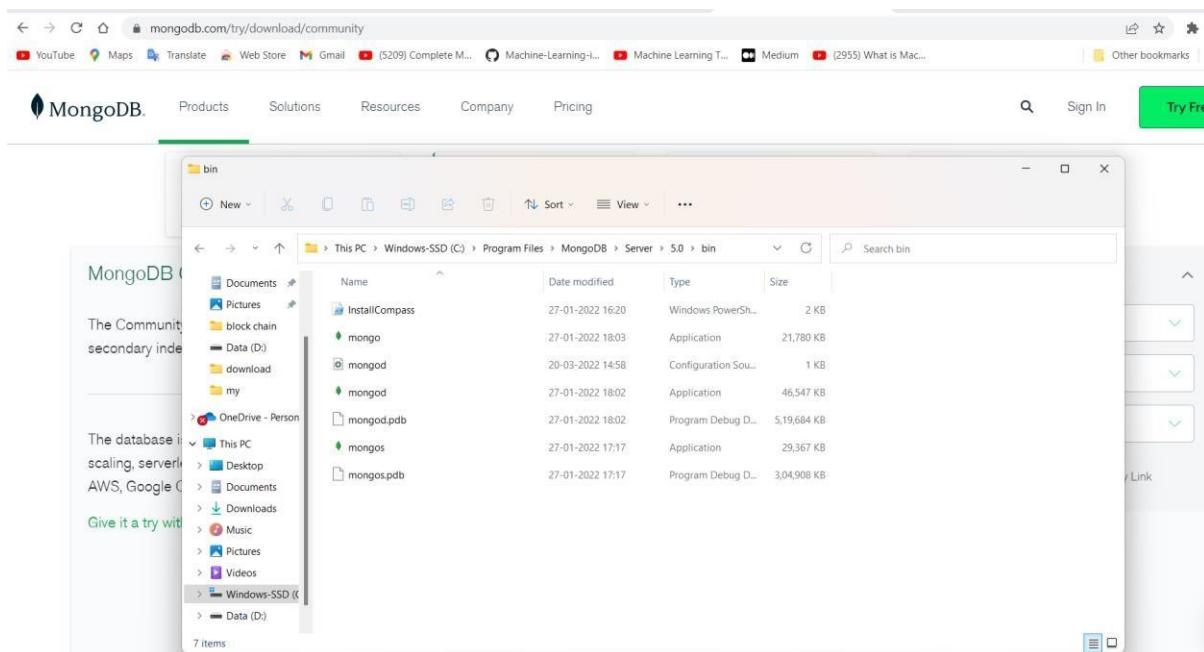
- 6) Click on the Install button to start the installation.

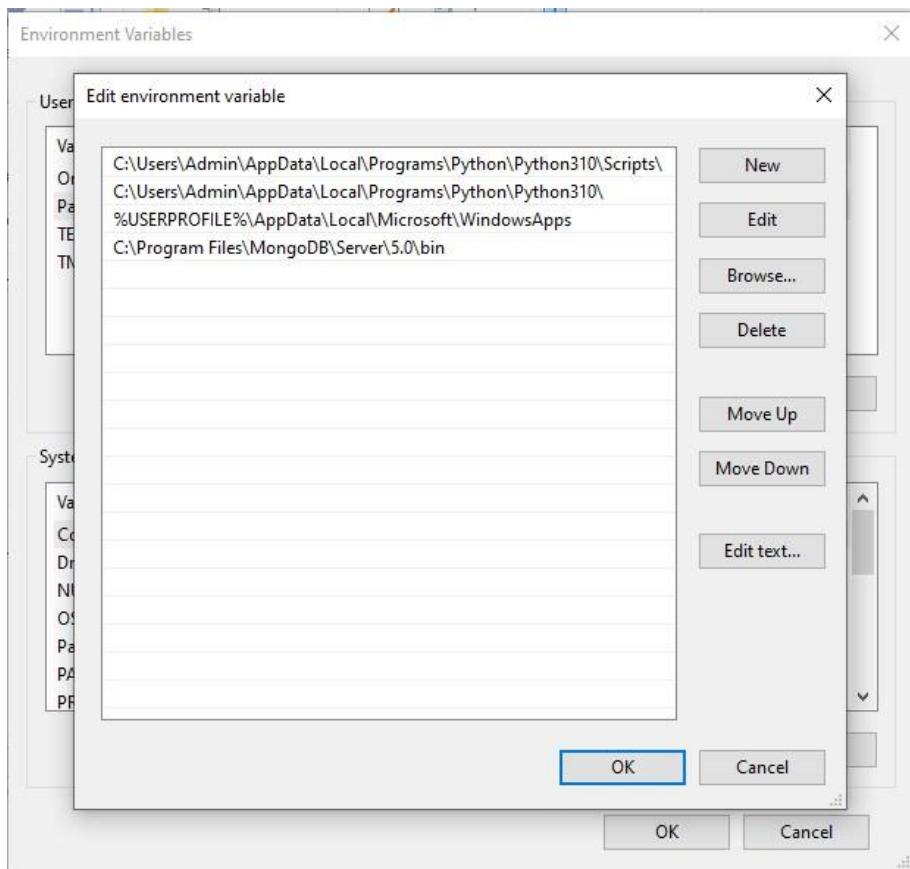






- 8) Go to folder "C:\Program Files\MongoDB\Server\5.0\bin" and copy the location.

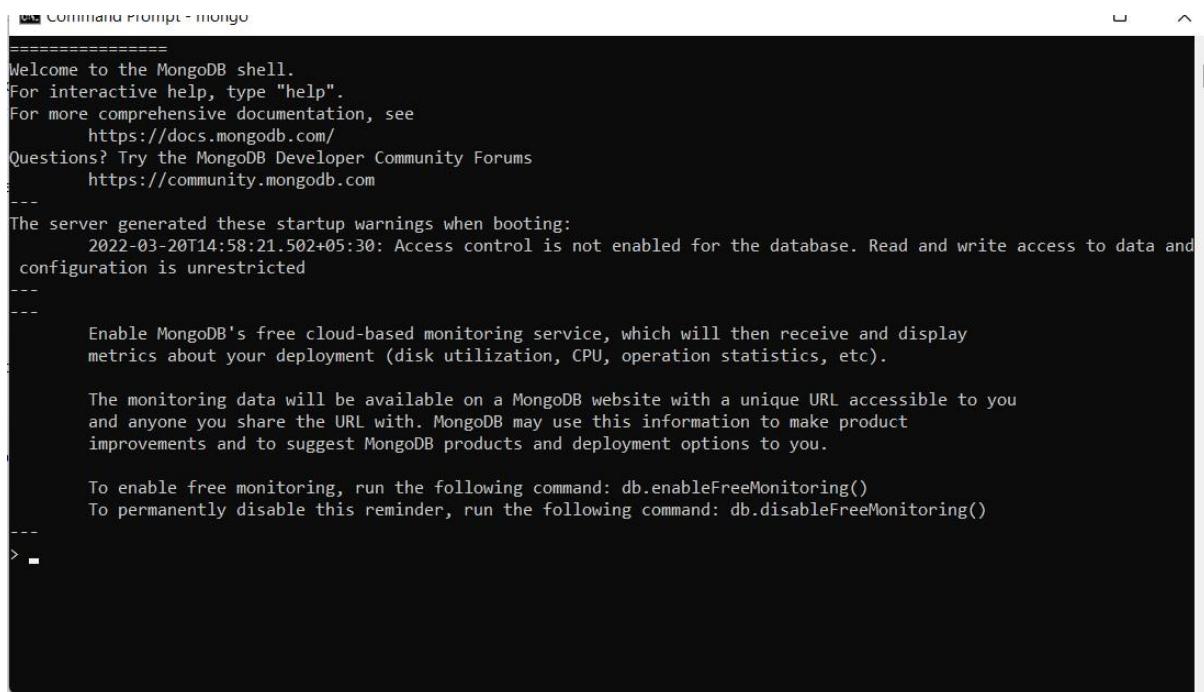




1. Open the command prompt and run the cd command to change directory and run the command "mongod" to start the server and run the command "mongo" to work mongoDB.

```
C:\Users\sairaj>mongod
{"t":{"$date":"2022-03-20T15:24:25.710+05:30"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"main", "msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2022-03-20T15:24:25.711+05:30"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"main", "msg":"Initialized wire specification", "attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"maxWireVersion":13}, "incomingInternalClient":{"minWireVersion":0,"maxWireVersion":13}, "outgoing":{"minWireVersion":0,"maxWireVersion":13}, "isInternalClient":true}}}
{"t":{"$date":"2022-03-20T15:24:26.288+05:30"},"s":"W", "c":"ASIO", "id":22601, "ctx":"main", "msg":"No TransportLayer configured during NetworkInterface startup"}
{"t":{"$date":"2022-03-20T15:24:26.289+05:30"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"main", "msg":"Implicit TCP FastOpen in use."}
{"t":{"$date":"2022-03-20T15:24:26.292+05:30"},"s":"W", "c":"ASIO", "id":22601, "ctx":"main", "msg":"No TransportLayer configured during NetworkInterface startup"}
{"t":{"$date":"2022-03-20T15:24:26.292+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"main", "msg":"Successfully registered PrimaryOnlyService", "attr":{"service":"TenantMigrationDonorService", "ns":"config.tenantMigrationDonors"}}
 {"t":{"$date":"2022-03-20T15:24:26.292+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"main", "msg":"Successfully registered PrimaryOnlyService", "attr":{"service":"TenantMigrationRecipientService", "ns":"config.tenantMigrationRecipients"}}
 {"t":{"$date":"2022-03-20T15:24:26.293+05:30"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"main", "msg":"Multi threading initialized"}
 {"t":{"$date":"2022-03-20T15:24:26.294+05:30"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten", "msg":"MongoDB starting", "attr":{"pid":13004, "port":27017, "dbPath":"C:/data/db/", "architecture":"64-bit", "host":"Sairaj-PC"}}
 {"t":{"$date":"2022-03-20T15:24:26.295+05:30"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten", "msg":"Target operating system minimum version", "attr":{"targetMinOS":"Windows 7/Windows Server 2008 R2"}}
 {"t":{"$date":"2022-03-20T15:24:26.295+05:30"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten", "msg":"Build Info", "attr":{"buildInfo":{"version":"5.0.6", "gitVersion":"212a8dbb47f07427dae194a9c75baec1d81d9259", "modules":[], "allocator":"tcmalloc", "environment":{"distmod":"windows", "distarch":"x86_64", "target_arch":"x86_64"}}}}
```

1)First start the mongo Db using command **mongo**



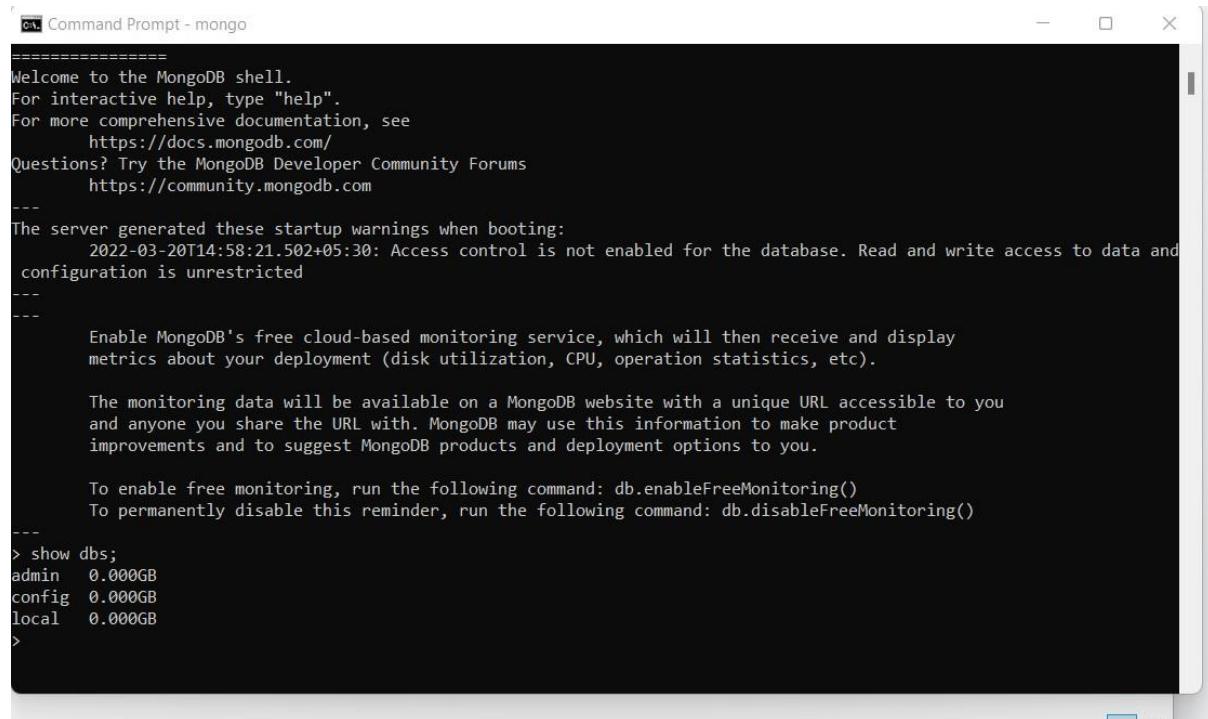
The screenshot shows a terminal window titled "Command Prompt - mongo". It displays the MongoDB shell startup message, which includes welcome text, documentation links, and startup warnings. The warnings mention that access control is not enabled and that configuration is unrestricted. It also provides instructions for enabling free monitoring and permanent disablement.

```
PS Command Prompt - mongo
=====
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
    https://docs.mongodb.com/
Questions? Try the MongoDB Developer Community Forums
    https://community.mongodb.com
---
The server generated these startup warnings when booting:
    2022-03-20T14:58:21.502+05:30: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted
---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
> -
```

show dbs;



```
Command Prompt - mongo
=====
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
    https://docs.mongodb.com/
Questions? Try the MongoDB Developer Community Forums
    https://community.mongodb.com

The server generated these startup warnings when booting:
2022-03-20T14:58:21.502+05:30: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted

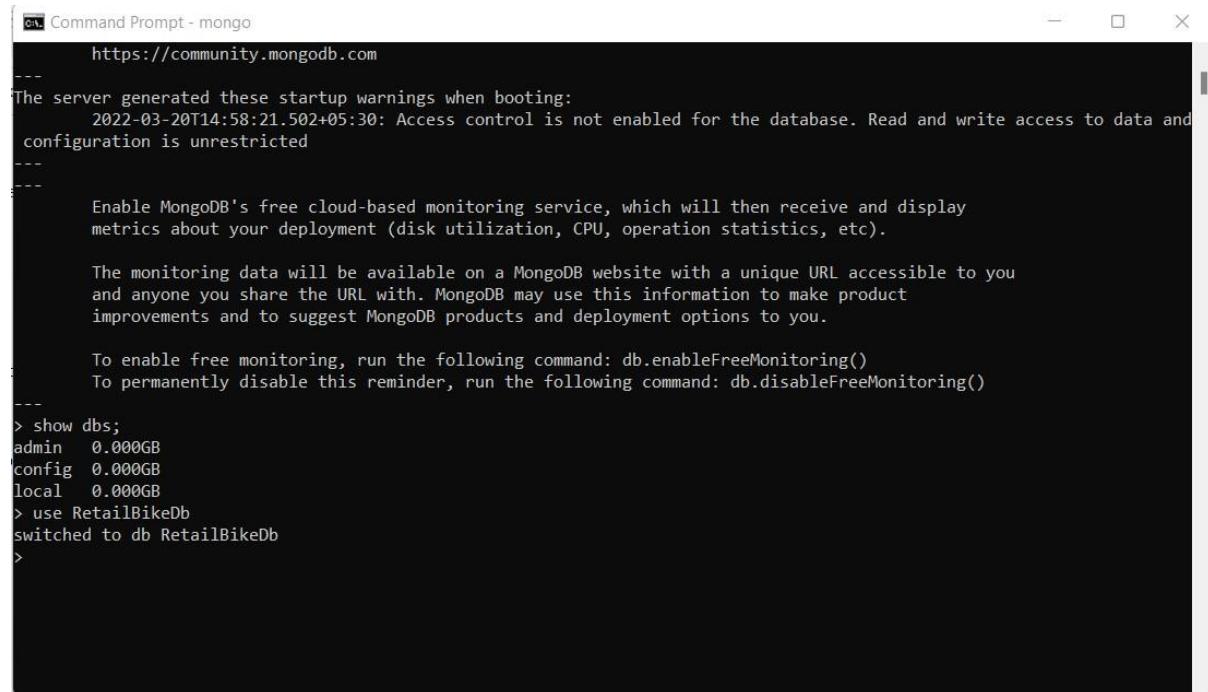
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

> show dbs;
admin 0.000GB
config 0.000GB
local 0.000GB
>
```

2) use RetailBikeDb



```
Command Prompt - mongo
https://community.mongodb.com

The server generated these startup warnings when booting:
2022-03-20T14:58:21.502+05:30: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted

Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()

> show dbs;
admin 0.000GB
config 0.000GB
local 0.000GB
> use RetailBikeDb
switched to db RetailBikeDb
>
```

3) Creating and showing collections in MongoDB



```
...  
...  
> db.createCollection("production.categories")  
{ "ok" : 1 }  
> db.createCollection("production.brands")  
{ "ok" : 1 }  
> db.createCollection("production.products")  
{ "ok" : 1 }  
> db.createCollection("production.stocks")  
{ "ok" : 1 }  
> db.createCollection("sales.stores")  
{ "ok" : 1 }  
> db.createCollection("sales.staffs")  
{ "ok" : 1 }  
> db.createCollection("sales.customers")  
{ "ok" : 1 }  
> db.createCollection("sales.orders")  
{ "ok" : 1 }  
> db.createCollection("sales.order_items")  
{ "ok" : 1 }  
>
```

4) We can show list of collection using “Show collections” commands in MongoDB



```
db.createCollection("production.stocks")  
"ok" : 1 }  
db.createCollection("sales.stores")  
"ok" : 1 }  
> db.createCollection("sales.staffs")  
"ok" : 1 }  
db.createCollection("sales.customers")  
"ok" : 1 }  
> db.createCollection("sales.orders")  
"ok" : 1 }  
db.createCollection("sales.order_items")  
"ok" : 1 }  
> show collections  
production.brands  
production.categories  
production.products  
production.stocks  
sales.customers  
sales.order_items  
sales.orders  
sales.staffs  
sales.stores  
> -
```

1. Create Operations

- `db.collection.insertOne()`
- `db.collection.insertMany()`

```
1. production.categories
  db.production.categories.insertMany(
    [
      {
        "category_id": 1,
        "category_name": "Road Bike"
      },
      {
        "category_id": 2,
        "category_name": "Mountain Bike"
      },
      {
        "category_id": 3,
        "category_name": "Hybrid Bike"
      },
      {
        "category_id": 4,
        "category_name": "Folding Bike"
      }
    ,
    {
      "category_id": 5,
      "category_name": "Touring Bike"
    },
    {
      "category_id": 6,
      "category_name": "Cruiser Bike"
    },
    {
      "category_id": 7,
      "category_name": "Women Bike"
    }
  ]
```

]

)

```
Command Prompt - mongo
> db.production.categories.insertMany(
... [
... {
... "category_id": 1,
... "category_name": "Road Bike"
... },
... {
... "category_id": 2,
... "category_name": "Mountain Bike"
... },
... {
... "category_id": 3,
... "category_name": "Hybrid Bike"
... },
... {
... "category_id": 4,
... "category_name": "Folding Bike"
... },
... {
... "category_id": 5,
... "category_name": "Touring Bike"
... },
... {
... "category_id": 6,
... "category_name": "Cruiser Bike"
... },
... {
... "category_id": 7,
... "category_name": "Women Bike"
... }
```

```
Command Prompt - mongo
... [
... {
... "category_id": 5,
... "category_name": "Touring Bike"
... },
... {
... "category_id": 6,
... "category_name": "Cruiser Bike"
... },
... {
... "category_id": 7,
... "category_name": "Women Bike"
... }
... ]
...
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("62370cb1f8683e308b45026f"),
    ObjectId("62370cb1f8683e308b450270"),
    ObjectId("62370cb1f8683e308b450271"),
    ObjectId("62370cb1f8683e308b450272"),
    ObjectId("62370cb1f8683e308b450273"),
    ObjectId("62370cb1f8683e308b450274"),
    ObjectId("62370cb1f8683e308b450275")
  ]
}
>
```

2. production.products

```
db.production.products.insertMany(
```

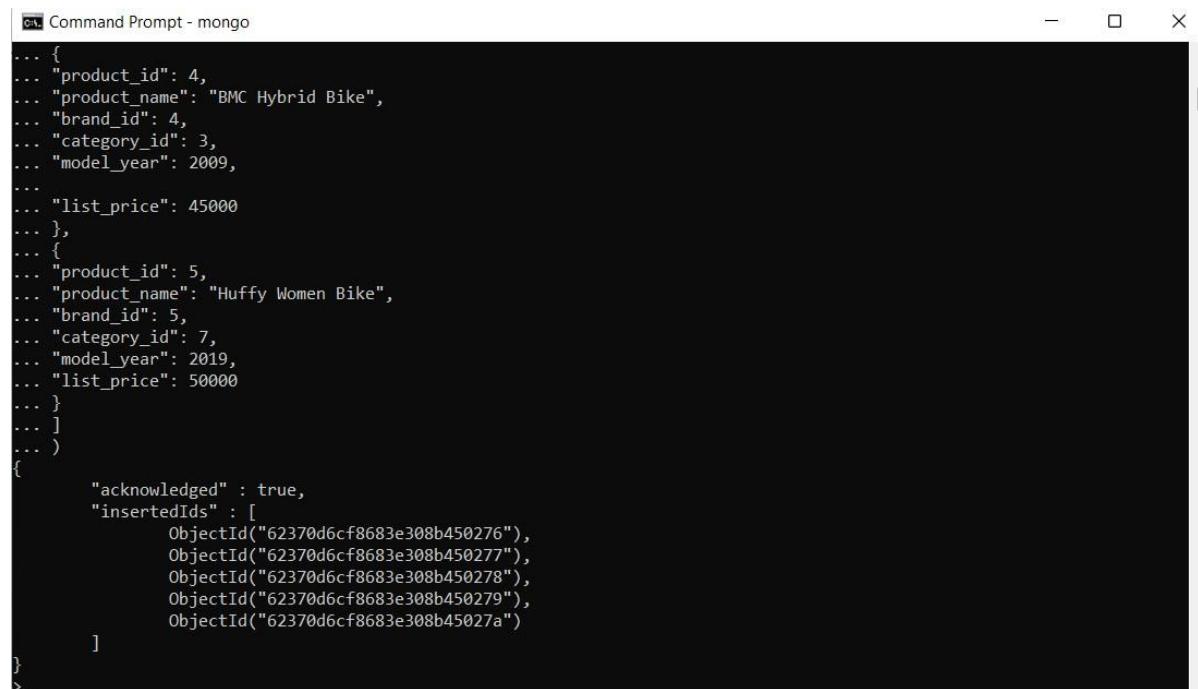
[

{

```
  "product_id": 1,
```

```
"product_name": "Honda Superfast",
"brand_id": 1,
"category_id": 1,
"model_year": 1994,
"list_price": 25000
},
{
"product_id": 2,
"product_name": "6KU Bikes",
"brand_id": 2,
"category_id": 4,
"model_year": 2000,
"list_price": 30000
},
{
"product_id": 3,
"product_name": "Bianchi",
"brand_id": 3,
"category_id": 2,
"model_year": 2002,
"list_price": 30000
},
{
"product_id": 4,
"product_name": "BMC Hybrid Bike",
"brand_id": 4,
"category_id": 3,
"model_year": 2009,
"list_price": 45000
},
{
"product_id": 5,
"product_name": "Huffy Women Bike",
```

```
"brand_id": 5,  
"category_id": 7,  
"model_year": 2019,  
"list_price": 50000  
}  
]  
)
```



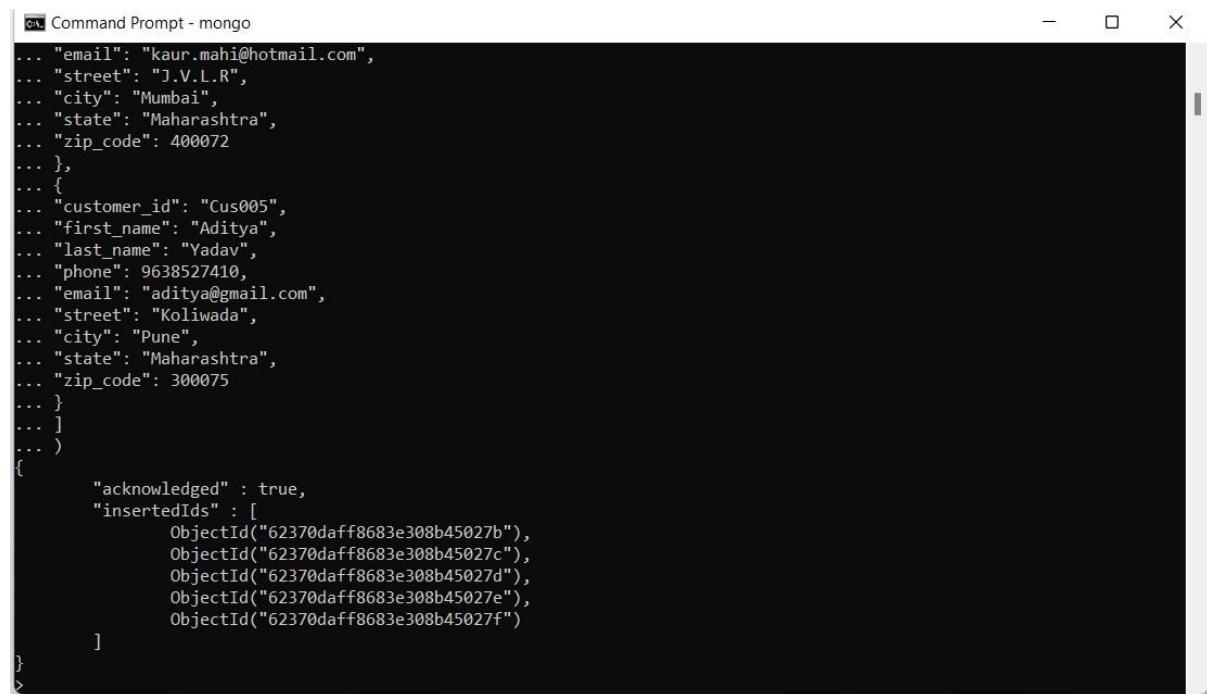
```
... {  
...   "product_id": 4,  
...   "product_name": "BMC Hybrid Bike",  
...   "brand_id": 4,  
...   "category_id": 3,  
...   "model_year": 2009,  
...  
...   "list_price": 45000  
... },  
... {  
...   "product_id": 5,  
...   "product_name": "Huffy Women Bike",  
...   "brand_id": 5,  
...   "category_id": 7,  
...   "model_year": 2019,  
...   "list_price": 50000  
... }  
]  
}  
{  
  "acknowledged" : true,  
  "insertedIds" : [  
    ObjectId("62370d6cf8683e308b450276"),  
    ObjectId("62370d6cf8683e308b450277"),  
    ObjectId("62370d6cf8683e308b450278"),  
    ObjectId("62370d6cf8683e308b450279"),  
    ObjectId("62370d6cf8683e308b45027a")  
  ]  
}  
>
```

3. sales.customers

```
db.sales.customers.insertMany(  
[  
  {  
    "customer_id": "Cus001",  
    "first_name": "Jay",  
    "last_name": "Mehta",  
    "phone": 1234567890,  
    "email": "jay@gmail.com",  
    "street": "T.P Road",  
  }]
```

```
"city": "Mumbai",
"state": "Maharashtra",
"zip_code": 400072
},
{
"customer_id": "Cus002",
"first_name": "Ruhi",
"last_name": "Singh",
"phone": 7894561230,
"email": "ruhi@yahoo.com",
"street": "M.G Chauk",
"city": "Mumbai",
"state": "Maharashtra",
"zip_code": 400072
},
{
"customer_id": "Cus003",
"first_name": "Aria",
"last_name": "Josh",
"phone": 1245789630,
"email": "aria.josh@gmail.com",
"street": "JVM",
"city": "Gandhi Nagar",
"state": "Gujrat",
"zip_code": 401235
},
{
"customer_id": "Cus004",
"first_name": "Mahi",
"last_name": "Kaur",
"phone": 4567890123,
"email": "kaur.mahi@hotmail.com",
"street": "J.V.L.R",
```

```
"city": "Mumbai",
"state": "Maharashtra",
"zip_code": 400072
},
{
"customer_id": "Cus005",
"first_name": "Aditya",
"last_name": "Yadav",
"phone": 9638527410,
"email": "aditya@gmail.com",
"street":
"Koliwada",
"city": "Pune",
"state": "Maharashtra",
"zip_code": 300075
}
]
```



```
... "email": "kaur.mahi@hotmail.com",
... "street": "J.V.L.R",
... "city": "Mumbai",
... "state": "Maharashtra",
... "zip_code": 400072
... },
...
{
"customer_id": "Cus005",
"first_name": "Aditya",
"last_name": "Yadav",
"phone": 9638527410,
"email": "aditya@gmail.com",
"street": "Koliwada",
"city": "Pune",
"state": "Maharashtra",
"zip_code": 300075
}
]
}

{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("62370daff8683e308b45027b"),
        ObjectId("62370daff8683e308b45027c"),
        ObjectId("62370daff8683e308b45027d"),
        ObjectId("62370daff8683e308b45027e"),
        ObjectId("62370daff8683e308b45027f")
    ]
}
>
```

4.production.stocks

```
db.production.stocks.insertMany(
[
{
```

```
"store_id": 1,  
"product_id": 1,  
"quantity": 15  
},  
{  
"store_id": 2,  
"product_id": 4,  
"quantity": 20  
},  
{  
"store_id": 3,  
"product_id": 5,  
"quantity": 30  
},  
{  
"store_id": 1,  
"product_id": 5,  
"quantity": 100  
},  
{  
"store_id": 2,  
"product_id": 2,  
"quantity": 4  
},  
{  
"store_id": 3,  
"product_id": 3,  
"quantity": 9  
}  
]
```

```
... },
... {
... "store_id": 1,
... "product_id": 5,
... "quantity": 100
... },
... {
... "store_id": 2,
... "product_id": 2,
... "quantity": 4
... },
... {
... "store_id": 3,
... "product_id": 3,
... "quantity": 9
... }
...
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("62370e61f8683e308b450280"),
    ObjectId("62370e61f8683e308b450281"),
    ObjectId("62370e61f8683e308b450282"),
    ObjectId("62370e61f8683e308b450283"),
    ObjectId("62370e61f8683e308b450284"),
    ObjectId("62370e61f8683e308b450285")
  ]
}
>
```

5.sales.order_items

```
db.sales.order_items.insertMany(  
[  
  {  
    "order_id": "ORD001",  
    "product_id": 1,  
    "quantity": 2,  
    "list_price": 50000  
  },  
  {  
    "order_id": "ORD002",  
    "product_id": 2,  
    "quantity": 3,  
    "list_price": 90000  
  },  
  {  
    "order_id": "ORD003",  
    "product_id": 3,  
    "quantity": 1,  
    "list_price": 15000  
  }  
]
```

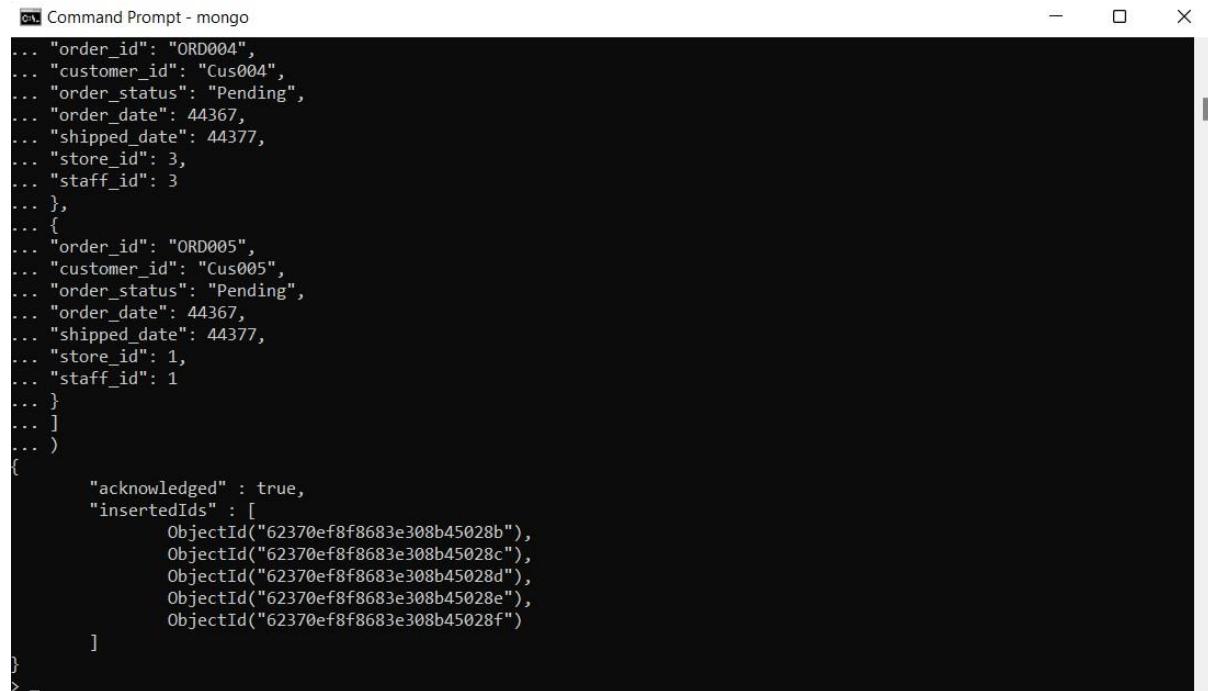
```
"product_id": 3,  
    "quantity": 1,  
    "list_price": 30000  
}  
,  
{  
"  
o  
r  
d  
e  
r  
  
-  
i  
d  
"  
:  
"  
O  
R  
D  
0  
0  
4  
"  
,  
"  
"product_id": 4,  
    "quantity": 8,  
    "list_price": 360000  
},  
{  
    "order_id": "ORD005",  
    "product_id": 5,  
    "quantity": 2,  
    "list_price": 100000  
}  
]  
)
```

```
ca| Command Prompt - mongo
... "product_id": 3,
... "quantity": 1,
... "list_price": 30000
... },
... {
... "order_id": "ORD004",
... "product_id": 4,
... "quantity": 8,
... "list_price": 360000
... },
... {
... "order_id": "ORD005",
... "product_id": 5,
... "quantity": 2,
... "list_price": 100000
... }
...
]
)
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("62370eb6f8683e308b450286"),
    ObjectId("62370eb6f8683e308b450287"),
    ObjectId("62370eb6f8683e308b450288"),
    ObjectId("62370eb6f8683e308b450289"),
    ObjectId("62370eb6f8683e308b45028a")
  ]
}
>
```

6.sales.orders

```
db.sales.orders.insert
Many(
[
{
  "order_id": "ORD001",
  "customer_id": "Cus001",
  "order_status": "Completed",
  "order_date": 43992,
  "shipped_date": 43994,
  "store_id": 1,
  "staff_id": 1
},
{
  "order_id": "ORD002",
  "customer_id": "Cus002",
  "order_status": "Completed",
  "order_date": 44221,
```

```
        "shipped_date": 44227,  
        "store_id": 2,  
        "staff_id": 2  
    },  
    {  
        "order_id": "ORD003",  
        "customer_id": "Cus003",  
        "order_status": "Completed",  
        "order_date": 44306,  
        "shipped_date": 44314,  
        "store_id": 2,  
        "staff_id": 2  
    },  
    {  
        "order_id": "ORD004",  
        "customer_id": "Cus004",  
        "order_status": "Pending",  
        "order_date": 44367,  
        "shipped_date": 44377,  
        "store_id": 3,  
        "staff_id": 3  
    },  
    {  
        "order_id": "ORD005",  
        "customer_id": "Cus005",  
        "order_status": "Pending",  
        "order_date": 44367,  
        "shipped_date": 44377,  
        "store_id": 1,  
        "staff_id": 1  
    }  
]
```

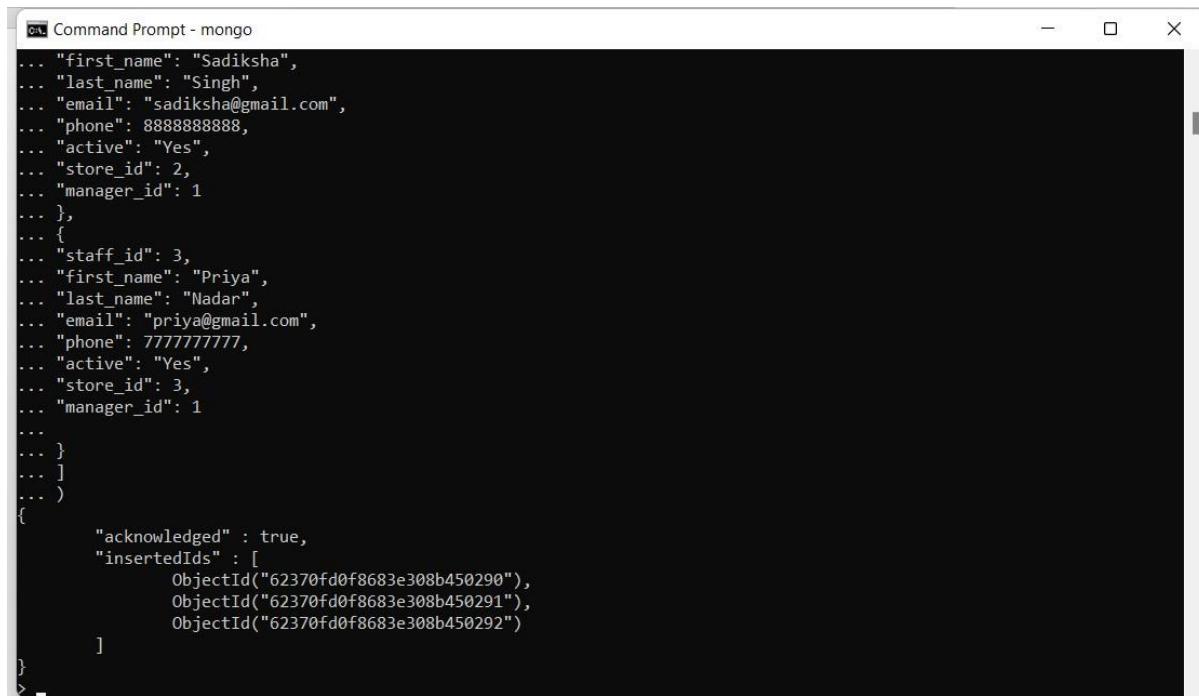


```
... "order_id": "ORD004",
... "customer_id": "Cus004",
... "order_status": "Pending",
... "order_date": 44367,
... "shipped_date": 44377,
... "store_id": 3,
... "staff_id": 3
},
{
  "order_id": "ORD005",
  "customer_id": "Cus005",
  "order_status": "Pending",
  "order_date": 44367,
  "shipped_date": 44377,
  "store_id": 1,
  "staff_id": 1
}
)
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("62370ef8f8683e308b45028b"),
    ObjectId("62370ef8f8683e308b45028c"),
    ObjectId("62370ef8f8683e308b45028d"),
    ObjectId("62370ef8f8683e308b45028e"),
    ObjectId("62370ef8f8683e308b45028f")
  ]
}
>
```

7.sales.staffs

```
db.sales.staffs.in
sertMany(
[
  {
    "staff_id": 1,
    "first_name": "Pushpa",
    "last_name": "Yadav",
    "email": "pushpa@gmail.com",
    "phone": 9999999999,
    "active": "Yes",
    "store_id": 1,
    "manager_id": 1
  },
  {
    "staff_id": 2,
    "first_name": "Sadiksha",
    "last_name": "Singh",
    "email": "sadiksha@gmail.com",
```

```
"phone": 8888888888,  
"active": "Yes",  
"store_id": 2,  
"manager_id": 1  
},  
{  
"staff_id": 3,  
"first_name": "Priya",  
"last_name": "Nadar",  
"email": "priya@gmail.com",  
"phone": 7777777777,  
"active": "Yes",  
"store_id": 3,  
"manager_id": 1  
}  
]  
)
```



```
... "first_name": "Sadiksha",  
... "last_name": "Singh",  
... "email": "sadiksha@gmail.com",  
... "phone": 8888888888,  
... "active": "Yes",  
... "store_id": 2,  
... "manager_id": 1  
},  
{  
"staff_id": 3,  
"first_name": "Priya",  
"last_name": "Nadar",  
"email": "priya@gmail.com",  
"phone": 7777777777,  
"active": "Yes",  
"store_id": 3,  
"manager_id": 1  
}  
]  
}  
{  
"acknowledged" : true,  
"insertedIds" : [  
    ObjectId("62370fd0f8683e308b450290"),  
    ObjectId("62370fd0f8683e308b450291"),  
    ObjectId("62370fd0f8683e308b450292")  
]  
}
```

8. sales.stores

```
db.sales.stores.insertMany(  
[  
  {  
    "store_id": 1,  
    "store_name": "Ambika Showroom",  
    "phone": 123456,  
    "email": "ambika@gmail.com",  
    "street": "GP",  
    "city": "Mumbai",  
    "state": "Maharashtra",  
    "zip_code": 400072  
  },  
  {  
    "store_id": 2,  
    "store_name": "Yash Bikes",  
    "phone": 789456,  
    "email": "yash.bikes@yahoo.com",  
    "street": "H.G",  
    "city": "Pune",  
    "state": "Maharashtra",  
    "zip_code": 300075  
  },  
  {  
    "store_id": 3,  
    "store_name": "Josh Automobiles",  
    "phone": 456983,  
    "email": "josh@gmail.com",  
    "street": "M.G",  
    "city": "Gandhi Nagar",
```

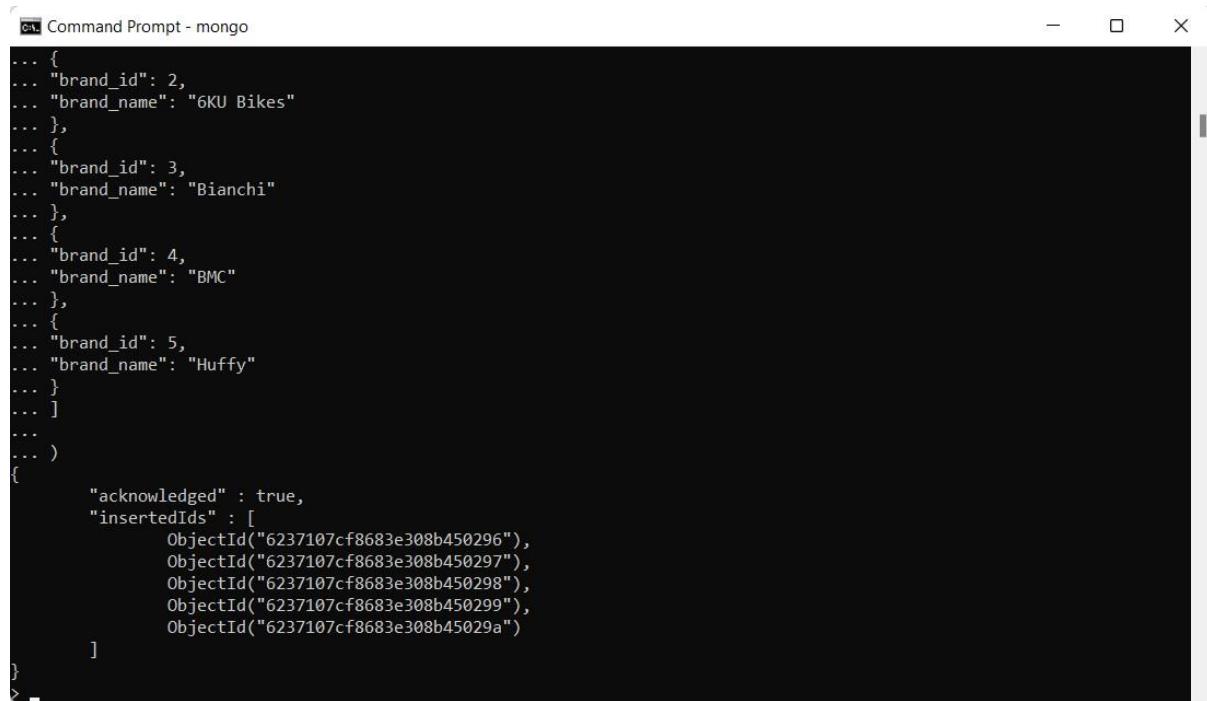
```
"state": "Gujrat",
"zip_code": 401235
}
]
)
```

```
Command Prompt - mongo
...
{
    "store_name": "Yash Bikes",
    "phone": 789456,
    "email": "yash.bikes@yahoo.com",
    "street": "H.G",
    "city": "Pune",
    "state": "Maharashtra",
    "zip_code": 300075
},
{
    "store_id": 3,
    "store_name": "Josh Automobiles",
    "phone": 456983,
    "email": "josh@gmail.com",
    "street": "M.G",
    "city": "Gandhi Nagar",
    "state": "Gujrat",
    "zip_code": 401235
}
]
)
{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("6237103af8683e308b450293"),
        ObjectId("6237103af8683e308b450294"),
        ObjectId("6237103af8683e308b450295")
    ]
}
>
```

9. production.brands

```
db.production.brands.insertMany(
[
{
    "brand_id": 1,
    "brand_name": "Honda"
},
{
    "brand_id": 2,
    "brand_name": "6KU Bikes"
},
{
    "brand_id": 3,
```

```
"brand_name": "Bianchi"
},
{
"brand_id": 4,
"brand_name": "BMC"
}
,
{
"
b
r
a
n
d
-
i
d
"
:
5
,
"brand_name": "Huffy"
}
]
)
)
```



```
cd\ Command Prompt - mongo
...
{
  "brand_id": 2,
  "brand_name": "6KU Bikes"
},
{
  "brand_id": 3,
  "brand_name": "Bianchi"
},
{
  "brand_id": 4,
  "brand_name": "BMC"
},
{
  "brand_id": 5,
  "brand_name": "Huffy"
}
]

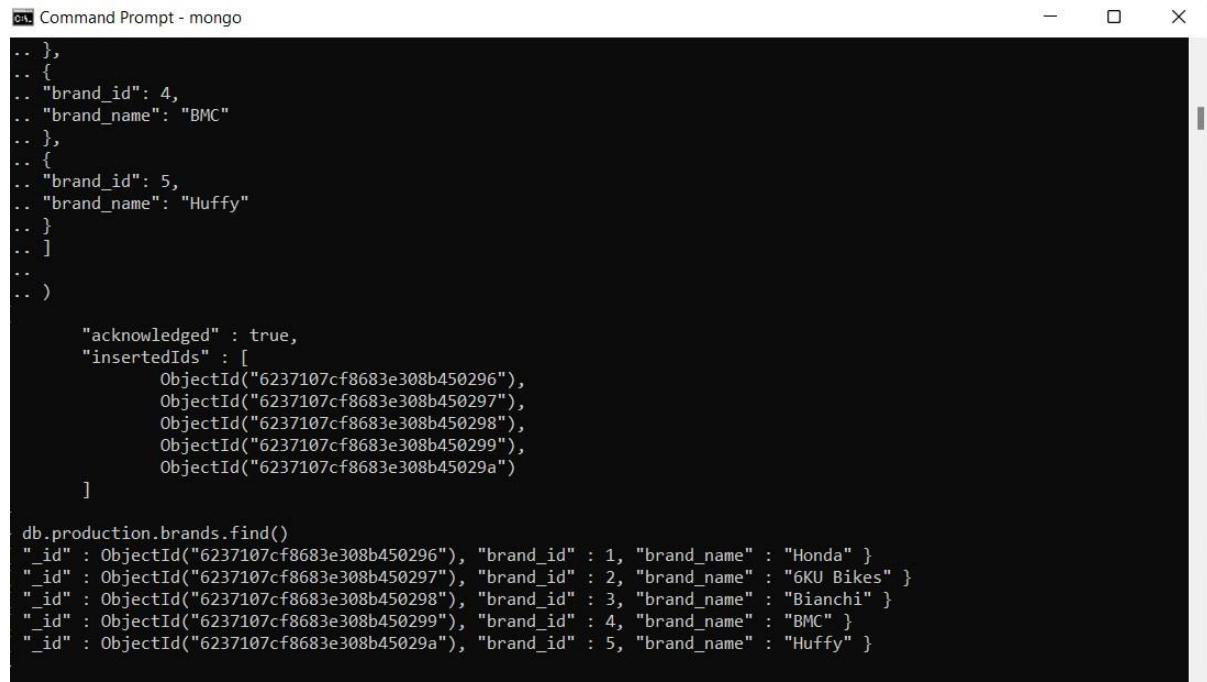
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("6237107cf8683e308b450296"),
    ObjectId("6237107cf8683e308b450297"),
    ObjectId("6237107cf8683e308b450298"),
    ObjectId("6237107cf8683e308b450299"),
    ObjectId("6237107cf8683e308b45029a")
  ]
}
>
```

1. Read Operations

MongoDB has two methods of reading documents from a collection:

- db.collection.find()
- db.collection.findOne()
- find()

Example

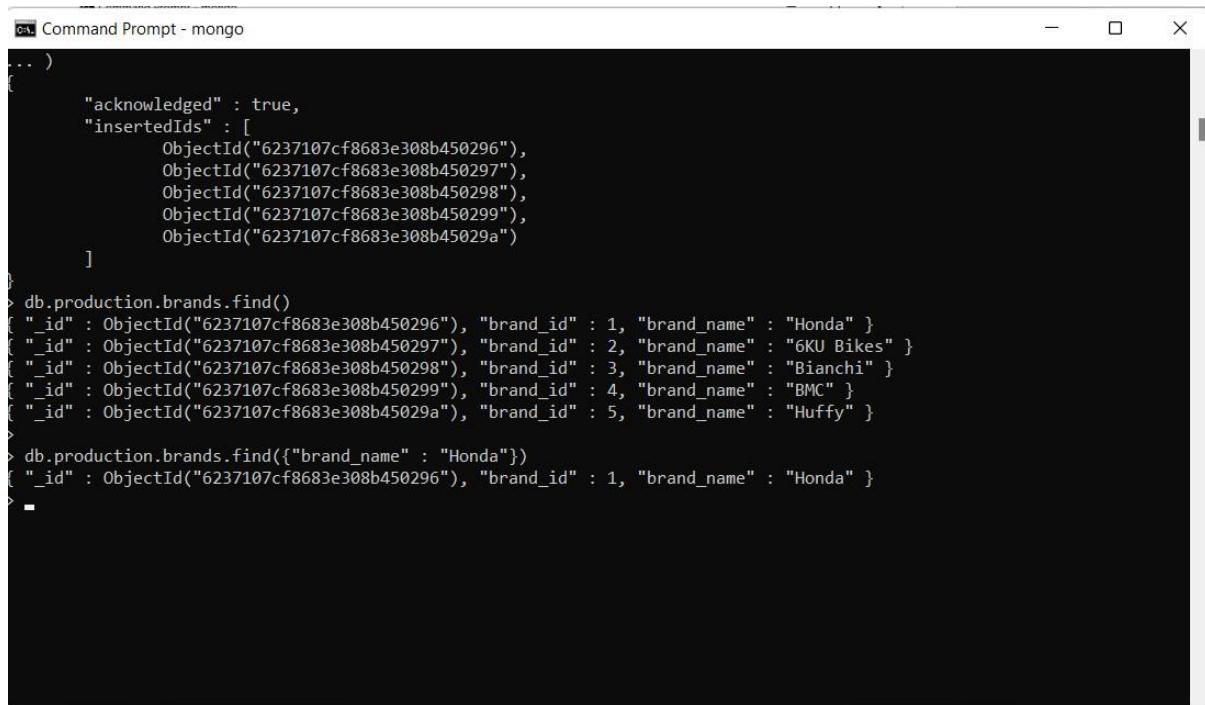


```
cd\ Command Prompt - mongo
...
{
  "brand_id": 4,
  "brand_name": "BMC"
},
{
  "brand_id": 5,
  "brand_name": "Huffy"
}
]

{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("6237107cf8683e308b450296"),
    ObjectId("6237107cf8683e308b450297"),
    ObjectId("6237107cf8683e308b450298"),
    ObjectId("6237107cf8683e308b450299"),
    ObjectId("6237107cf8683e308b45029a")
  ]
}

db.production.brands.find()
"_id" : ObjectId("6237107cf8683e308b450296"), "brand_id" : 1, "brand_name" : "Honda" }
"_id" : ObjectId("6237107cf8683e308b450297"), "brand_id" : 2, "brand_name" : "6KU Bikes" }
"_id" : ObjectId("6237107cf8683e308b450298"), "brand_id" : 3, "brand_name" : "Bianchi" }
"_id" : ObjectId("6237107cf8683e308b450299"), "brand_id" : 4, "brand_name" : "BMC" }
"_id" : ObjectId("6237107cf8683e308b45029a"), "brand_id" : 5, "brand_name" : "Huffy" }
```

Example: db.production.brands.find({"brand_name" : "Honda"})



```

C:\ Command Prompt - mongo
...
{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("6237107cf8683e308b450296"),
        ObjectId("6237107cf8683e308b450297"),
        ObjectId("6237107cf8683e308b450298"),
        ObjectId("6237107cf8683e308b450299"),
        ObjectId("6237107cf8683e308b45029a")
    ]
}
> db.production.brands.find()
{
    "_id" : ObjectId("6237107cf8683e308b450296"), "brand_id" : 1, "brand_name" : "Honda" }
{
    "_id" : ObjectId("6237107cf8683e308b450297"), "brand_id" : 2, "brand_name" : "6KU Bikes" }
{
    "_id" : ObjectId("6237107cf8683e308b450298"), "brand_id" : 3, "brand_name" : "Bianchi" }
{
    "_id" : ObjectId("6237107cf8683e308b450299"), "brand_id" : 4, "brand_name" : "BMC" }
{
    "_id" : ObjectId("6237107cf8683e308b45029a"), "brand_id" : 5, "brand_name" : "Huffy" }

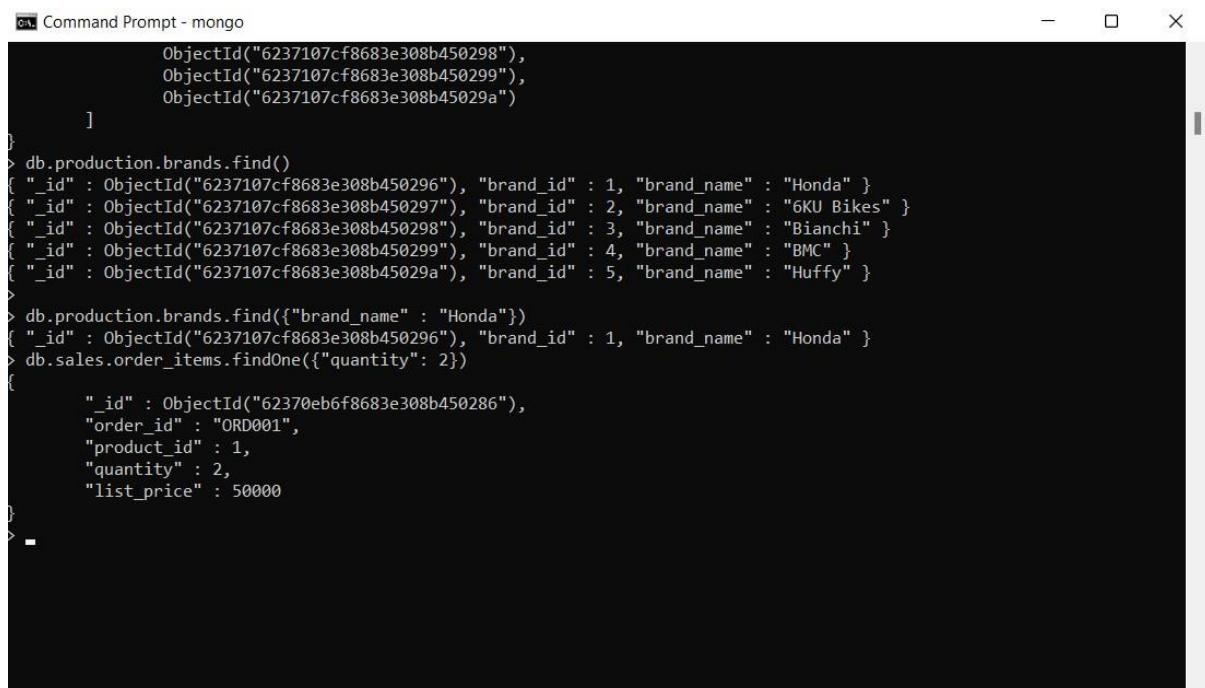
> db.production.brands.find({"brand_name" : "Honda"})
{
    "_id" : ObjectId("6237107cf8683e308b450296"), "brand_id" : 1, "brand_name" : "Honda" }
>

```

- `findOne()`

Syntax- `db.{collection}.findOne({query}, {projection})`

Example : `db.sales.order_items.findOne({"quantity": 2})`



```

C:\ Command Prompt - mongo
...
{
    "_id" : ObjectId("6237107cf8683e308b450298"),
    ObjectId("6237107cf8683e308b450299"),
    ObjectId("6237107cf8683e308b45029a")
}
> db.production.brands.find()
{
    "_id" : ObjectId("6237107cf8683e308b450296"), "brand_id" : 1, "brand_name" : "Honda" }
{
    "_id" : ObjectId("6237107cf8683e308b450297"), "brand_id" : 2, "brand_name" : "6KU Bikes" }
{
    "_id" : ObjectId("6237107cf8683e308b450298"), "brand_id" : 3, "brand_name" : "Bianchi" }
{
    "_id" : ObjectId("6237107cf8683e308b450299"), "brand_id" : 4, "brand_name" : "BMC" }
{
    "_id" : ObjectId("6237107cf8683e308b45029a"), "brand_id" : 5, "brand_name" : "Huffy" }

> db.production.brands.find({"brand_name" : "Honda"})
{
    "_id" : ObjectId("6237107cf8683e308b450296"), "brand_id" : 1, "brand_name" : "Honda" }
> db.sales.order_items.findOne({"quantity": 2})
{
    "_id" : ObjectId("62370eb6f8683e308b450286"),
    "order_id" : "ORD001",
    "product_id" : 1,
    "quantity" : 2,
    "list_price" : 50000
}
>

```

Query Documents

a. Specify Equality Condition db.production.products.find()

- to show all the documents

db.production.products.find({ "list_price": 30000 }) - to show only documents which have "list_price" as 30000

```
Command Prompt - mongo
{
  "_id" : ObjectId("6237107cf8683e308b450299"),
  "brand_id" : 4, "brand_name" : "BMC" }
{
  "_id" : ObjectId("6237107cf8683e308b45029a"),
  "brand_id" : 5, "brand_name" : "Huffy" }
>
> db.production.brands.find({ "brand_name" : "Honda" })
{
  "_id" : ObjectId("6237107cf8683e308b450296"),
  "brand_id" : 1, "brand_name" : "Honda" }
> db.sales.order_items.findOne({ "quantity": 2 })
{
  "_id" : ObjectId("62370eb6f8683e308b450286"),
  "order_id" : "ORD001",
  "product_id" : 1,
  "quantity" : 2,
  "list_price" : 50000
}
> db.sales.customers.find()
{
  "_id" : ObjectId("62370daff8683e308b45027b"),
  "customer_id" : "Cus001", "first_name" : "Jay", "last_name" : "Mehta",
  "phone" : 1234567890, "email" : "jay@gmail.com", "street" : "T.P Road",
  "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072
}
{
  "_id" : ObjectId("62370daff8683e308b45027c"),
  "customer_id" : "Cus002", "first_name" : "Ruhi", "last_name" : "Singh",
  "phone" : 7894561230, "email" : "ruhi@yahoo.com", "street" : "M.G Chauk",
  "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072
}
{
  "_id" : ObjectId("62370daff8683e308b45027d"),
  "customer_id" : "Cus003", "first_name" : "Aria", "last_name" : "Josh",
  "phone" : 1245789630, "email" : "aria.josh@gmail.com", "street" : "JVM",
  "city" : "Gandhi Nagar", "state" : "Gujrat", "zip_code" : 401235
}
{
  "_id" : ObjectId("62370daff8683e308b45027e"),
  "customer_id" : "Cus004", "first_name" : "Mahi", "last_name" : "Kaur",
  "phone" : 4567890123, "email" : "kaur.mahi@hotmail.com", "street" : "J.V.L.R",
  "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072
}
{
  "_id" : ObjectId("62370daff8683e308b45027f"),
  "customer_id" : "Cus005", "first_name" : "Aditya", "last_name" : "Yadav",
  "phone" : 9638527410, "email" : "aditya@gmail.com", "street" : "Koliwada",
  "city" : "Pune", "state" : "Maharashtra", "zip_code" : 300075
}
>
```

```
Command Prompt - mongo
{
  "product_id" : 1,
  "quantity" : 2,
  "list_price" : 50000
}
> db.sales.customers.find()
{
  "_id" : ObjectId("62370daff8683e308b45027b"),
  "customer_id" : "Cus001", "first_name" : "Jay", "last_name" : "Mehta",
  "phone" : 1234567890, "email" : "jay@gmail.com", "street" : "T.P Road",
  "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072
}
{
  "_id" : ObjectId("62370daff8683e308b45027c"),
  "customer_id" : "Cus002", "first_name" : "Ruhi", "last_name" : "Singh",
  "phone" : 7894561230, "email" : "ruhi@yahoo.com", "street" : "M.G Chauk",
  "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072
}
{
  "_id" : ObjectId("62370daff8683e308b45027d"),
  "customer_id" : "Cus003", "first_name" : "Aria", "last_name" : "Josh",
  "phone" : 1245789630, "email" : "aria.josh@gmail.com", "street" : "JVM",
  "city" : "Gandhi Nagar", "state" : "Gujrat", "zip_code" : 401235
}
{
  "_id" : ObjectId("62370daff8683e308b45027e"),
  "customer_id" : "Cus004", "first_name" : "Mahi", "last_name" : "Kaur",
  "phone" : 4567890123, "email" : "kaur.mahi@hotmail.com", "street" : "J.V.L.R",
  "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072
}
{
  "_id" : ObjectId("62370daff8683e308b45027f"),
  "customer_id" : "Cus005", "first_name" : "Aditya", "last_name" : "Yadav",
  "phone" : 9638527410, "email" : "aditya@gmail.com", "street" : "Koliwada",
  "city" : "Pune", "state" : "Maharashtra", "zip_code" : 300075
}
> db.production.products.find({ "list_price": 30000 })
{
  "_id" : ObjectId("62370d6cf8683e308b450277"),
  "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" : 30000
}
{
  "_id" : ObjectId("62370d6cf8683e308b450278"),
  "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 30000
}
>
```

b. Specify Conditions Using Query Operators

db.sales.customers.find() - to show all the documents

db.sales.customers.find({city: { \$in: ["Mumbai", "Pune"] } }) - to show

all the documents where

"city" is either "Mumbai" or "Pune"



```
>Select Command Prompt - mongo
> db.sales.customers.find()
{ "_id" : ObjectId("62370daff8683e308b45027b"), "customer_id" : "Cus001", "first_name" : "Jay", "last_name" : "Mehta", "phone" : 1234567890, "email" : "jay@gmail.com", "street" : "T.P Road", "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072 }
{ "_id" : ObjectId("62370daff8683e308b45027c"), "customer_id" : "Cus002", "first_name" : "Ruhi", "last_name" : "Singh", "phone" : 7894561230, "email" : "ruhi@yahoo.com", "street" : "M.G Chauk", "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072 }
{ "_id" : ObjectId("62370daff8683e308b45027d"), "customer_id" : "Cus003", "first_name" : "Aria", "last_name" : "Josh", "phone" : 1245789630, "email" : "aria.josh@gmail.com", "street" : "JVM", "city" : "Gandhi Nagar", "state" : "Gujrat", "zip_code" : 401235 }
{ "_id" : ObjectId("62370daff8683e308b45027e"), "customer_id" : "Cus004", "first_name" : "Mahi", "last_name" : "Kaur", "phone" : 4567890123, "email" : "kaur.mahi@hotmail.com", "street" : "J.V.L.R", "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072 }
{ "_id" : ObjectId("62370daff8683e308b45027f"), "customer_id" : "Cus005", "first_name" : "Aditya", "last_name" : "Yadav", "phone" : 9638527410, "email" : "aditya@gmail.com", "street" : "Koliwada", "city" : "Pune", "state" : "Maharashtra", "zip_code" : 300075 }
> db.sales.customers.find({city: { $in: [ "Mumbai", "Pune" ] } })
{ "_id" : ObjectId("62370daff8683e308b45027b"), "customer_id" : "Cus001", "first_name" : "Jay", "last_name" : "Mehta", "phone" : 1234567890, "email" : "jay@gmail.com", "street" : "T.P Road", "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072 }
{ "_id" : ObjectId("62370daff8683e308b45027c"), "customer_id" : "Cus002", "first_name" : "Ruhi", "last_name" : "Singh", "phone" : 7894561230, "email" : "ruhi@yahoo.com", "street" : "M.G Chauk", "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072 }
{ "_id" : ObjectId("62370daff8683e308b45027d"), "customer_id" : "Cus003", "first_name" : "Aria", "last_name" : "Josh", "phone" : 1245789630, "email" : "aria.josh@gmail.com", "street" : "JVM", "city" : "Gandhi Nagar", "state" : "Gujrat", "zip_code" : 401235 }
{ "_id" : ObjectId("62370daff8683e308b45027e"), "customer_id" : "Cus004", "first_name" : "Mahi", "last_name" : "Kaur", "phone" : 4567890123, "email" : "kaur.mahi@hotmail.com", "street" : "J.V.L.R", "city" : "Mumbai", "state" : "Maharashtra", "zip_code" : 400072 }
{ "_id" : ObjectId("62370daff8683e308b45027f"), "customer_id" : "Cus005", "first_name" : "Aditya", "last_name" : "Yadav", "phone" : 9638527410, "email" : "aditya@gmail.com", "street" : "Koliwada", "city" : "Pune", "state" : "Maharashtra", "zip_code" : 300075 }
>
```

C . Specify AND Conditions db.sales.order_items.find() - to

show all the documents

db.sales.order_items.find({quantity: 2, list_price : { \$gt: 70000}}) -

Here we are trying to find how sales order item documents for which quantity is 2 and list price is greater than
70000

```
Command Prompt - mongo
{
  "_id": ObjectId("62370daff8683e308b45027b"), "customer_id": "Cus001", "first_name": "Jay", "last_name": "Mehta", "phone": 1234567890, "email": "jay@gmail.com", "street": "T.P Road", "city": "Mumbai", "state": "Maharashtra", "zip_code": 400072 },
  "_id": ObjectId("62370daff8683e308b45027c"), "customer_id": "Cus002", "first_name": "Ruhi", "last_name": "Singh", "phone": 7894561230, "email": "ruhi@yahoo.com", "street": "M.G Chauk", "city": "Mumbai", "state": "Maharashtra", "zip_code": 400072 },
  "_id": ObjectId("62370daff8683e308b45027e"), "customer_id": "Cus004", "first_name": "Mahi", "last_name": "Kaur", "phone": 4567890123, "email": "kaur.mahi@hotmail.com", "street": "J.V.L.R", "city": "Mumbai", "state": "Maharashtra", "zip_code": 400072 },
  "_id": ObjectId("62370daff8683e308b45027f"), "customer_id": "Cus005", "first_name": "Aditya", "last_name": "Yadav", "phone": 9638527410, "email": "aditya@gmail.com", "street": "Koliwada", "city": "Pune", "state": "Maharashtra", "zip_code": 300075 }
}
db.sales.order_items.find()
{
  "_id": ObjectId("62370eb6f8683e308b450286"), "order_id": "ORD001", "product_id": 1, "quantity": 2, "list_price": 0000 },
  "_id": ObjectId("62370eb6f8683e308b450287"), "order_id": "ORD002", "product_id": 2, "quantity": 3, "list_price": 0000 },
  "_id": ObjectId("62370eb6f8683e308b450288"), "order_id": "ORD003", "product_id": 3, "quantity": 1, "list_price": 0000 },
  "_id": ObjectId("62370eb6f8683e308b450289"), "order_id": "ORD004", "product_id": 4, "quantity": 8, "list_price": 60000 },
  "_id": ObjectId("62370eb6f8683e308b45028a"), "order_id": "ORD005", "product_id": 5, "quantity": 2, "list_price": 00000 }
}
db.sales.order_items.find({quantity: 2, list_price: { $gt: 70000}})
{
  "_id": ObjectId("62370eb6f8683e308b45028a"), "order_id": "ORD005", "product_id": 5, "quantity": 2, "list_price": 00000 }
```

d. Specify OR Conditions

db.production.products.find() - to show all the documents

db.production.products.find({ \$or: [{ product_name: "Honda Superfast" }, { model_year : { \$lt: 2003 } }] }) - to show all the document which is either "product name" as "Honda

Superfast" or

"model year" is less than year 2003



```

C:\ Command Prompt - MONGO
> db.production.products.find()
{ "_id" : ObjectId("6222df37b5e511acae1d7898"), "product_id" : 1, "product_name" : "Honda Superfast", "brand_id" : 1, "category_id" : 1, "model_year" : 1994, "list_price" : 25000 }
{ "_id" : ObjectId("6222df37b5e511acae1d7899"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" : 30000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 30000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789b"), "product_id" : 4, "product_name" : "BMC Hybrid Bike", "brand_id" : 4, "category_id" : 3, "model_year" : 2009, "list_price" : 45000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789c"), "product_id" : 5, "product_name" : "Huffy Women Bike", "brand_id" : 5, "category_id" : 7, "model_year" : 2019, "list_price" : 50000 }
> db.production.products.find({ $or: [ { product_name: "Honda Superfast" }, { model_year : { $lt: ... 2003 } } ] })
{ "_id" : ObjectId("6222df37b5e511acae1d7898"), "product_id" : 1, "product_name" : "Honda Superfast", "brand_id" : 1, "category_id" : 1, "model_year" : 1994, "list_price" : 25000 }
{ "_id" : ObjectId("6222df37b5e511acae1d7899"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" : 30000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 30000 }
>

```

3. Update Operations

For MongoDB CRUD, there are three different methods of updating documents:

- db.collection.updateOne()
- db.collection.updateMany()
- db.collection.replaceOne()

1. updateOne() **db.sales.staffs.find()** - to show current document in the system

db.sales.staffs.updateOne({first_name: "Pushpa"}, {\$set:{phone: 999999988}}) - update mobile number from 9999999999 to 999999988 for document name where name is "first_name" in collection



```

> db.production.products.find()
{ "_id" : ObjectId("6222df37b5e511acae1d7898"), "product_id" : 1, "product_name" : "Honda Superfast", "brand_id" : 1, "category_id" : 1, "model_year" : 1994, "list_price" : 25000 }
{ "_id" : ObjectId("6222df37b5e511acae1d7899"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" : 30000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 30000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789b"), "product_id" : 4, "product_name" : "BMC Hybrid Bike", "brand_id" : 4, "category_id" : 3, "model_year" : 2009, "list_price" : 45000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789c"), "product_id" : 5, "product_name" : "Huffy Women Bike", "brand_id" : 5, "category_id" : 7, "model_year" : 2019, "list_price" : 50000 }
> db.production.products.find({ $or: [ { product_name: "Honda Superfast" }, { model_year : { $lt: ... 2003 } } ] })
{ "_id" : ObjectId("6222df37b5e511acae1d7898"), "product_id" : 1, "product_name" : "Honda Superfast", "brand_id" : 1, "category_id" : 1, "model_year" : 1994, "list_price" : 25000 }
{ "_id" : ObjectId("6222df37b5e511acae1d7899"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" : 30000 }
{ "_id" : ObjectId("6222df37b5e511acae1d789a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 30000 }
> db.sales.staffs.find()
{ "_id" : ObjectId("6222e161b5e511acae1d78b2"), "staff_id" : 1, "first_name" : "Pushpa", "last_name" : "Yadav", "email" : "pushpa@gmail.com", "phone" : 9999999999, "active" : "Yes", "store_id" : 1, "manager_id" : 1 }
{ "_id" : ObjectId("6222e161b5e511acae1d78b3"), "staff_id" : 2, "first_name" : "Sadiksha", "last_name" : "Singh", "email" : "sadiksha@gmail.com", "phone" : 8888888888, "active" : "Yes", "store_id" : 2, "manager_id" : 1 }
{ "_id" : ObjectId("6222e161b5e511acae1d78b4"), "staff_id" : 3, "first_name" : "Priya", "last_name" : "Nadar", "email" : "priya@gmail.com", "phone" : 7777777777, "active" : "Yes", "store_id" : 3, "manager_id" : 1 }
> db.sales.staffs.updateOne({first_name: "Pushpa"}, {$set:{phone: 999999988}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
>

```

1. **updateMany() db.sales.orders.find()** - to show current document in the system

```
db.sales.orders.updateMany({shipped_date:44377}, {$set: {shipped_date: "1-July-2021"}})
```

- with

the help of this command we are updating "shipped_date" to "1-July-2021" where shipped_date is
44377

```
c:\ Command Prompt - MONGO
{
  "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.sales.orders.find()
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78ad"), "order_id" : "ORD001", "customer_id" : "Cus001", "order_status" : "Completed", "order_date" : 43992, "shipped_date" : 43994, "store_id" : 1, "staff_id" : 1 }
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78ae"), "order_id" : "ORD002", "customer_id" : "Cus002", "order_status" : "Completed", "order_date" : 44221, "shipped_date" : 44227, "store_id" : 2, "staff_id" : 2 }
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78af"), "order_id" : "ORD003", "customer_id" : "Cus003", "order_status" : "Completed", "order_date" : 44306, "shipped_date" : 44314, "store_id" : 2, "staff_id" : 2 }
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78b0"), "order_id" : "ORD004", "customer_id" : "Cus004", "order_status" : "Pending", "order_date" : 44367, "shipped_date" : 44377, "store_id" : 3, "staff_id" : 3 }
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78b1"), "order_id" : "ORD005", "customer_id" : "Cus005", "order_status" : "Pending", "order_date" : 44367, "shipped_date" : 44377, "store_id" : 1, "staff_id" : 1 }
> db.sales.orders.updateMany({shipped_date:44377}, {$set: {shipped_date: "1-July-2021"}})
{
  "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
>
```

3.replaceOne()

4. Delete Operations

MongoDB has two different methods of deleting records from a collection:

- db.collection.deleteOne()
- db.collection.deleteMany()

1. deleteOne() Example – **db.production.brands.find()** - to show current documents in collection

db.production.brands.deleteOne({brand_id:6}) - delete the document where "brand_id" is 6

```
Command Prompt - MONGO
{
  "acknowledged" : true,
  "matchedCount" : 1,
  "modifiedCount" : 1
}
> db.sales.orders.find()
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78ad"),
  "order_id" : "ORD001",
  "customer_id" : "Cus001",
  "order_status" : "Completed",
  "order_date" : 43992,
  "shipped_date" : 43994,
  "store_id" : 1,
  "staff_id" : 1
}
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78ae"),
  "order_id" : "ORD002",
  "customer_id" : "Cus002",
  "order_status" : "Completed",
  "order_date" : 44221,
  "shipped_date" : 44227,
  "store_id" : 2,
  "staff_id" : 2
}
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78af"),
  "order_id" : "ORD003",
  "customer_id" : "Cus003",
  "order_status" : "Completed",
  "order_date" : 44306,
  "shipped_date" : 44314,
  "store_id" : 2,
  "staff_id" : 2
}
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78b0"),
  "order_id" : "ORD004",
  "customer_id" : "Cus004",
  "order_status" : "Pending",
  "order_date" : 44367,
  "shipped_date" : 44377,
  "store_id" : 3,
  "staff_id" : 3
}
{
  "_id" : ObjectId("6222e0f7b5e511acae1d78b1"),
  "order_id" : "ORD005",
  "customer_id" : "Cus005",
  "order_status" : "Pending",
  "order_date" : 44367,
  "shipped_date" : 44377,
  "store_id" : 1,
  "staff_id" : 1
}
> db.sales.orders.updateMany({shipped_date:44377}, {$set: {shipped_date: "1-July-2021"}})
{
  "acknowledged" : true,
  "matchedCount" : 2,
  "modifiedCount" : 2
}
> db.production.brands.find()
{
  "_id" : ObjectId("6222e1dc5e511acae1d78b8"),
  "brand_id" : 1,
  "brand_name" : "Honda"
}
{
  "_id" : ObjectId("6222e1dc5e511acae1d78b9"),
  "brand_id" : 2,
  "brand_name" : "6KU Bikes"
}
{
  "_id" : ObjectId("6222e1dc5e511acae1d78ba"),
  "brand_id" : 3,
  "brand_name" : "Bianchi"
}
{
  "_id" : ObjectId("6222e1dc5e511acae1d78bb"),
  "brand_id" : 4,
  "brand_name" : "BMC"
}
{
  "_id" : ObjectId("6222e1dc5e511acae1d78bc"),
  "brand_id" : 5,
  "brand_name" : "Huffy"
}
> db.production.brands.deleteOne({brand_id:6})
{
  "acknowledged" : true,
  "deletedCount" : 0
}
>
```

2.deleteMany()

Example –

db.production.brands.find() - to show current documents in collection
db.production.brands.deleteMany({brand_id: {\$gt: 5}}) - delete documents for which brand id is greater than 5

The screenshot shows a command prompt window titled "Command Prompt - MONGO". The window contains the following MongoDB shell session:

```
> db.production.brands.deleteOne({brand_id:6})
{ "acknowledged" : true, "deletedCount" : 0 }
> db.production.brands.find()
{ "_id" : ObjectId("6222e1dcb5e511acae1d78b8"), "brand_id" : 1, "brand_name" : "Hon
da" }
{ "_id" : ObjectId("6222e1dcb5e511acae1d78b9"), "brand_id" : 2, "brand_name" : "6KU
Bikes" }
{ "_id" : ObjectId("6222e1dcb5e511acae1d78ba"), "brand_id" : 3, "brand_name" : "Bia
nchi" }
{ "_id" : ObjectId("6222e1dcb5e511acae1d78bb"), "brand_id" : 4, "brand_name" : "BMC
" }
{ "_id" : ObjectId("6222e1dcb5e511acae1d78bc"), "brand_id" : 5, "brand_name" : "Huf
fy" }
> db.production.brands.deleteMany({brand_id: {$gt: 5}})
{ "acknowledged" : true, "deletedCount" : 0 }
>
```

