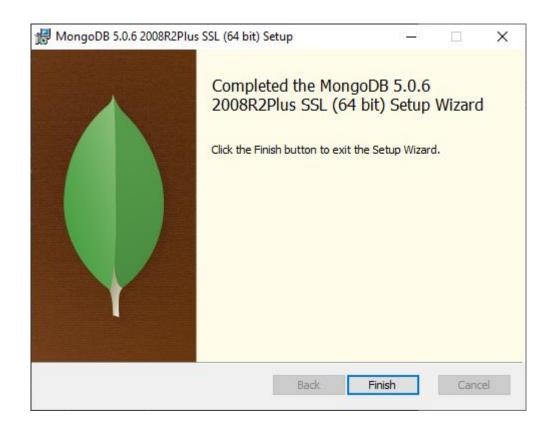
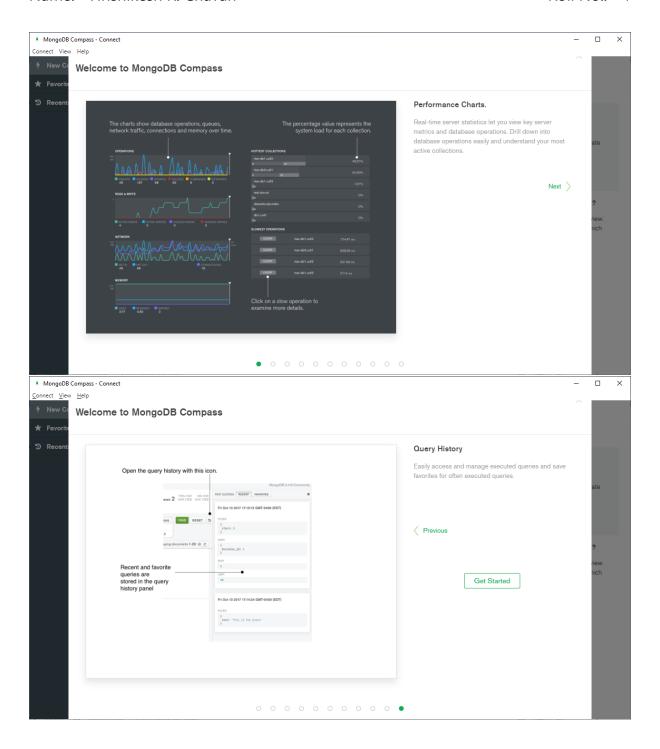
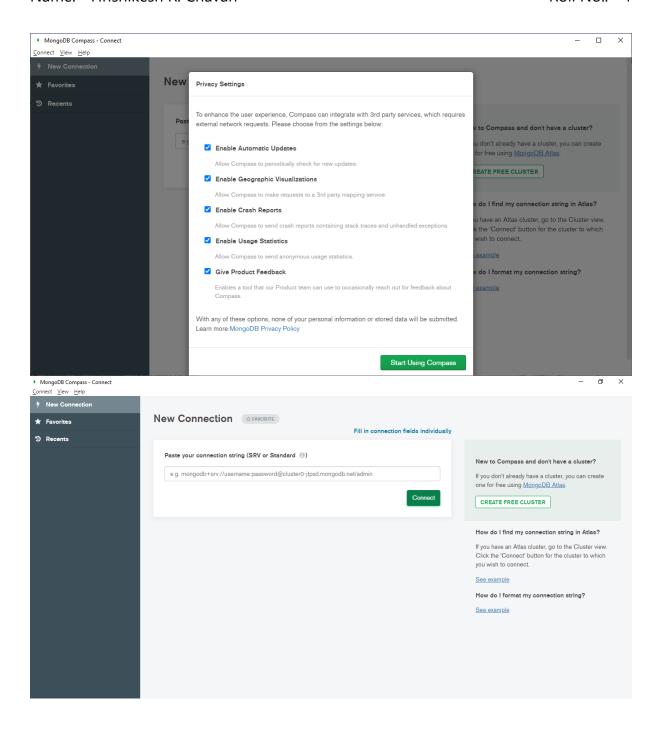




MongoDB Compass is being installed. It will launch once it is done.









is PC > Local Disk (C:) > Program Files > MongoDB > Server > 5.0 > bin

Name	Date modified	Туре	Size
InstallCompass	27-01-2022 16:20	Windows PowerS	2 KB
mongo	27-01-2022 18:03	Application	21,780 KB
mongod	05-03-2022 08:32	Configuration Sou	1 KB
mongod	27-01-2022 18:02	Application	46,547 KB
mongod.pdb	27-01-2022 18:02	PDB File	5,19,684 KB
mongos	27-01-2022 17:17	Application	29,367 KB
mongos.pdb	27-01-2022 17:17	PDB File	3,04,908 KB

```
":("$date":"2022-03-05700:44:36.971+05:30"),"s":"I", "c":"REPL", "id":5123008, "ctx":"main", "msg":"Successfully registered PrimaryOnlyService", "attr":("service" [FenantMigrationDonorService","ns":"config.tenantMigrationDonors"))

":("$date":"2022-03-05708:44:36.971+05:30"),"s":"I", "c':"REPL", "id":5123008, "ctx":"main", "msg":"Successfully registered PrimaryOnlyService", "attr":("service" [FenantMigrationDonors]), "s":"config.tenantMigrationDonors])

":("$date":"2022-03-05708:44:36.971+05:30"),"s":"I", "c':"CONIROL", "id":5945603, "ctx":"main", "msg":"Multi threading initialized")

":("$date":"2022-03-05708:44:36.971+05:30"),"s":"I", "c':"CONIROL", "id":4015611, "ctx":"initandlisten", "msg":"Mongood starting", "attr":("pid":2004, "port":27017, "d":4015611, "ctx":"initandlisten", "msg":"Tongood starting", "attr":("pid":2004, "port":27017, "d":4015611, "ctx":"initandlisten", "msg":"Target operating system minimum version", "attr":("tattMindows TyMindows Server 2008 R2")}

":("$date":"2022-03-05708:44:30, "74-05:30"), "s":"I", "c":"CONIROL", "id":23309, "ctx":"initandlisten", "msg":"Target operating system minimum version", "attr":("tattMindows John Julian Jul
                     "sdate":"2022-03-05108:44:36.972+05:30"), "s:"I", "c:"CONTROL", "id":51765, "ctx":"initandlisten", "msg."'Operating System", "attr":{"os":{"name:"Microsoft Wi 10", "version":"10.0 (build 18363)}}}
"sdate":"2022-03-05108:44:36.072+05:30"), "s:"I", "c:"CONTROL", "id":21951, "ctx":"initandlisten", "msg."'Options set by command line", "attr":{"options":}}}
"sdate":"2022-03-05108:44:36.073+05:30"), "s:"I", "c":"CONTROL", "id":20557, "ctx":"initandlisten", "msg.":"Options set by command line", "attr":{"options":}}}
"shouther bate directory C:\data\db\n option in the configuration file.")}
"sdate":"2022-03-05108:44:36.073+05:30"), "s:"I", "c:"REPL", "di":4784900, "ctx":"initandlisten", "msg.":"Stepping down the ReplicationCoordinator for shutdow tr:""("wisitTimeWillis:"15000)
"sdate":"2022-03-05108:44:36.073+05:30"), "s:"I", "c:""GVMAND", "id":4784900, "ctx":"initandlisten", "msg.":"Shutting down the WaitForNajorityService")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":20552, "ctx":"initandlisten", "msg.":"Shutting down the WaitForNajorityService")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":4784905, "ctx":"initandlisten", "msg.":"Shutting down the global connection pool")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":4784905, "ctx":"initandlisten", "msg.":"Shutting down the global connection pool")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":4784905, "ctx":"initandlisten", "msg.":"Shutting down the global connection pool")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":4784905, "ctx":"initandlisten", "msg.":"Shutting down the global connection pool")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":4784905, "ctx":"initandlisten", "msg.":"Shutting down the global connection pool")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHONKK, "id":4784905, "ctx":"initandlisten", "msg.":"Shutting down the flowcontrollicketholder")
"sdate":"2022-03-05108:44:36.074+05:30"), "s:"I", "c:"NEHO
                     ("$date":"2022-03-05108:44:36.974+05:30"),"s":"I", "c":"NETWORK", "id":4784918, "ctx":"initandlisten","msg":"Shutting down the ReplicaSetMonitor"}
("$date":"2022-03-05108:44:36.974+05:30"),"s":"I", "c":"SHARDING", "id":4784921, "ctx":"initandlisten","msg":"Shutting down the MigrationUtilExecutor"}
("$date":"2022-03-05108:44:36.975+05:30"),"s":"I", "c":"ASIO", "id":22582, "ctx":"MigrationUtil-TaskExecutor","msg":"Killing all outstanding egress activity
                      "$date":"2022-03-05708:44:36.975+05:30"), "s":"I", "c": ASIO", "id":22582, ctx : higracionutii-laskexectum , msg :"kiring air octromang eg "
"$date":"2022-03-05708:44:36.976+05:30"), "s":"I", "c":"COMMAND", "id":47840925, "ctx":"initandlisten", "msg :"Shutting down the ServiceEntryPoint")
"$date":"2022-03-05708:44:36.976+05:30"), "s":"I", "c":"CONTROL", "id":47840925, "ctx":"initandlisten", "msg :"Shutting down the Healthlog")
"$date":"2022-03-05708:44:36.976+05:30"), "s":"I", "c":"CONTROL", "id":47840927, "ctx":"initandlisten", "msg :"Shutting down the TIL monitor")
"$date":"2022-03-05708:44:36.976+05:30"), "s":"I", "c":"CONTROL", "id":47840928, "ctx":"initandlisten", "msg :"Shutting down the TIL monitor")
"$date":"2022-03-05708:44:36.977+05:30"), "s":"I", "c":"CONTROL", "id":47840929, "ctx":"initandlisten", "msg :"Dropping the scope cache for shutdown")
"$date":"2022-03-065708:44:36.987+05:30"), "s":"I", "c":"CONTROL", "id":47840929, "ctx":"initandlisten", "msg :"Now exiting")
"$date":"2022-03-05708:44:36.986+05:30"), "s":"I", "c":"CONTROL", "id":20565, "ctx":"initandlisten", "msg :"Shutting down full-time data capture")
"$date":"2022-03-05708:44:36.987+05:30"), "s":"I", "c":"CONTROL", "id":20565, "ctx":"initandlisten", "msg :"Shutting down", "attr":{"exitCode":100}}
\Program Files\MongoDB\Server\5.0\bin>_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             О
                     mmand/rempt - mongo
"fadate"."2022-03-05108:44:36.975+05:30"),
"$datet"."2022-03-05108:44:36.976+05:30"),
"$datet"."2022-03-05108:44:36.976+05:30"),
"$datet"."2022-03-05108:44:36.976+05:30"),
"$datet"."2022-03-05108:44:36.977+05:30"),
"$datet"."2022-03-05108:44:36.977+05:30"),
"$datet"."2022-03-05108:44:36.998+05:30"),
"$datet"."2022-03-05108:44:36.988+05:30"),
"$datet"."2022-03-05108:44:36.988+05:30"),
"$datet"."2022-03-05108:44:36.988+05:30"),
                                                                                                                                                                                                                                                                                                                                                                                                                10 :4748423, ctx : initandlisten , msg : Shutting down the Servicentry/voint }
"id":4784925, "ctx":initandlisten", "msg":Shutting down free monitoring")
"id":4784927, "ctx":initandlisten", "msg":Shutting down the Healthlog")
"id":4784928, "ctx":initandlisten", "msg":Shutting down the TIL monitor")
"id":4784929, "ctx":initandlisten", "msg":TAcquiring the global lock for shutdown"}
"id":4784931, "ctx":initandlisten", "msg":Shutting down full-time data capture")
"id":28956, "ctx":"initandlisten", "msg":Shutting down full-time data capture")
"id":281318, "ctx":"initandlisten", "msg":Shutting down", "attr":{"exitCode":100}}
\Program Files\MongoD8\Server\S.0\bin>mongo
mgoD8 shell version v5.0.6
nnecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
plicit session: session { "id" : UUID("f5a814d9-6775-4ab4-a8f9-d94a57a7b690") }
mgoD8 server version: 5.0.6
                        """ g: the "mongo" shell has been superseded by "mongosh",
delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in
oming release.
stallation instructions, see
//docs.mongodb.com/mongodb-shell/install/
           one to the MongoDB shell.
interactive help, type "help".
more comprehensive documentation, see
https://docs.mongodb.com/
tions? Try the MongoDB Developer Community Forums
https://community.mongodb.com
    eserver generated these startup warnings when booting:
2022-03-05T08:32:24.182+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()
```

Creating a Database in MongoDB:

```
C:\Program Files\NngoOB\Server\S.0\Dinnango
hogoOB\shall version v5.0.6
connecting to:\shall version v5.0.6
logoOB\shall variety label v5.0.6
logoOB\shall v5.0.6
logoOB\shall
```

Creating and showing collections in MongoDB

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

- show dbs;
dbdf[8] 0.00008

dbdf[8] 0.00008

use RetallBikeOB

> db.ereateCollection("production.categories")

{ 'Ok' : 1 }

db.ereateCollection("production.products")

{ 'Bd.ereateCollection("production.stocks")

{ 'Ok' : 1 }

db.ereateCollection("production.stocks")

{ 'Ok' : 1 }

db.ereateCollection("sales.stores")

db.ereateCollection("sales.stores")

db.ereateCollection("sales.stores")

db.ereateCollection("sales.customers")

{ 'Ok' : 1 }

db.ereateCollection("sales.customers")

{ 'Ok' : 1 }

db.ereateCollection("sales.onders")

**Ok' : 1 }

db.ereateCollection("sales.onders")

**Ok' : 1 }

db.ereateCollection("sales.onder_items")
```

We can show list of collection using "Show collections" commands in MongoDB.

```
db.createCollection("production.brands")

db.createCollection("production.brands")

db.createCollection("production.brands")

db.createCollection("production.stocks")

("ok" : 1)

db.createCollection("production.stocks")

("ok" : 1)

db.createCollection("sales.stores")

db.createCollection("sales.customers")

("ok" : 1)

db.createCollection("sales.customers")

("ok" : 1)

db.createCollection("sales.orders")

db.createCollection("sales.orders")

db.createCollection("sales.orders")

db.createCollection("sales.orders")

bc.createCollection("sales.orders")

db.createCollection("sales.orders")

bc.createCollection("sales.orders")

bc.cre
```

Crud Operations:

Create Operations:

production.categories

production.products

```
Command Prompt-mongo

> db.production.products.insertMan
             [
"product_id": 1,
"product_name": "Honda Superfast",
"pradid": 1,
"category_id": 1,
"model_year": 1994,
"list_price": 25000
            f
"product_id": 4,
"product_name": "BMC Hybrid Bike",
"brand_id": 4,
"category_id": 3,
"model_year": 2009,
           {
    "product_id": 5,
    "product_name": "Huffy Women Bike",
    "brand_id": 5,
    "category_id": 7,
    "model_year": 2019,
    "list_price": 50000
...]
Command Prompt-mongo
..."product_name": "GKU 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,
             {
"product_id": 5,
"product_name": "Huffy Women Bike",
"prand_id": 5,
"category_id": 7,
"model_year": 2019,
"list_price": 50000
```

production.stocks

sales.customers

sales.order_items

sales.orders

sales.staffs

sales.stores

production.brands

Read Operations

```
dPrompt = mongo
uction.brands.find()
ObjectId("6222db1662688b36caaa7598"), "brand_id" : 1, "brand_name" : "Honda" }
ObjectId("6222db1662688b36caaa7599"), "brand_id" : 2, "brand_name" : "6KU Bikes" }
ObjectId("6222db1662688b36caaa7598"), "brand_id" : 3, "brand_name" : "Bianchi" }
ObjectId("6222db1662608b36caaa7598"), "brand_id" : 4, "brand_name" : "BHC" }
ObjectId("6222db1662608b36caaa759c"), "brand_id" : 5, "brand_name" : "Huffy" }
Uction.brands.find(("prand_name" : "Honda")
ObjectId("6222db162608b36caaa7598"), "brand_id" : 1, "brand_name" : "Honda" }
ss.order_items.findOne(("quantity": 2))
              "_id": ObjectId("6222d9ca62698b36caaa7588"),
"order_id": "ORD001",
"product_id": 1,
"quantity": 2,
"list_price": 50000
             oduction.products.find()
: ObjectId("6222d94962698b36caaa7578"), "product_id" : 1, "product_name" : "Honda Superfast", "brand_id" : 1, "category_id" : 1, "model_year" : 1994, "list_prio
                    o /
ObjectId("6222d94962698b36caaa7579"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" :
   , space of the control of the contro
 id" : ObjectId("6222d94962698b36caaa757b"), "product_id" : 4, "product_name" : "BMC Hybrid Bike", "brand_id" : 4, "category_id" : 3, "model_year" : 2009, "list_pric
                     o ;
ObjectId("6222d94962698b36caaa757c"), "product_id" : 5, "product_name" : "Huffy Women Bike", "brand_id" : 5, "category_id" : 7, "model_year" : 2019, "list_pr:
       - Colection - Cole
            : ObjectId("6222d94962698b36caaa757a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 300
```

```
ð
 )
ObjectId("6222d94962698b36caaa7579"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" :
]
(d: ObjectId("6222d94962698b36caaa757a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 300
         0 }
ObjectId("6222d94962698b36caaa757c"), "product_id" : 5, "product_name" : "Huffy Women Bike", "brand_id" : 5, "category_id" : 7, "model_year" : 2019, "list_pr
                 }
ion.products.find({    $or: [ {        product_name: "Honda Superfast"    },    {        model_year : {    $lt:
         objectId("6222d94962698b36caaa7579"), "product_id" : 2, "product_name" : "6KU Bikes", "brand_id" : 2, "category_id" : 4, "model_year" : 2000, "list_price" : :
 }
di: ObjectId("6222d94962698b36caaa757a"), "product_id" : 3, "product_name" : "Bianchi", "brand_id" : 3, "category_id" : 2, "model_year" : 2002, "list_price" : 300
- G X
-- sales.staffs.find()
-- d" : ObjectId("6222da962698836caaa7592"), "staff_id" : 1, "first_name" : "Pushpa", "last_name" : "Yadav", "email" : "pushpa@gmail.com", "phone" : 9999999999, "act
-- d" : "Yes", "store_id" : 1, "manager_id" : 1 }
-- d" : ObjectId("6222da96862698836caaa7592"), "staff_id" : 2, "first_name" : "Sadiksha", "last_name" : "Singh", "email" : "sadiksha@gmail.com", "phone" : 8888888888,
-- d" : ObjectId("6222da96862698836caaa7592"), "staff_id" : 2, "first_name" : "Priya", "last_name" : "Nadar", "email" : "priya@gmail.com", "phone" : 7777777777, "activ
-- d" : ObjectId("6222da96862698836caaa7594"), "staff_id" : 3, "first_name" : "Priya", "last_name" : "Nadar", "email" : "priya@gmail.com", "phone" : 7777777777, "activ
-- wes", "store_id" : 3, "manager_id" : 1 }
-- d" : ObjectId("6222da9662698836caaa7594"), "staff_id" : 3, "first_name" : "Priya", "last_name" : "Nadar", "email" : "priya@gmail.com", "phone" : 7777777777, "activ
-- wes", "store_id" : 3, "manager_id" : 1 }
-- d" : ObjectId("6222da9662698836caaa7584"), "order_id" : "orRD0021", "customer_id" : "Cus0021", "order_status" : "Completed", "order_date" : 43992, "shipped_date" : 43
-- d" : ObjectId("6222da962698836caaa7584"), "order_id" : "ORD0021", "customer_id" : "Cus0021", "order_status" : "Completed", "order_date" : 44211, "shipped_date" : 44
-- d" : "store_id" : 2, "staff_id" : 2 }
-- d" : ObjectId("6222da962698836caaa7584"), "order_id" : "ORD0021", "customer_id" : "Cus0021", "order_status" : "Completed", "order_date" : 44366, "shipped_date" : 44
-- d" : ObjectId("6222da962698836caaa7599"), "order_id" : "ORD0021", "customer_id" : "Cus0041", "order_status" : "Pending", "order_date" : 44366, "shipped_date" : 44
-- d" : ObjectId("6222da962698836caaa7599"), "order_id" : "ORD0021", "customer_id" : "Cus0041", "order_status" : "Pending", "order_date" : 44367, "shipped_date" : 4437
-- d" : ObjectId("6222da962698836caaa7591"), "order_id" : "ORD0021", "customer_id" : "Cus0041", "order_status" : "Pending", "order_date" : 44367, "shipped_date" :
```

```
- 0 ×
```

Example 2