EX.NO.10 INSTALLATION OF MONGODB AND CREATION OF COLLECTIONS

Aim:

To install MongoDB and create a collection with it.

Description:

MongoDB is an open-source document database and leading NoSQL database. MongoDB is written in C++. It is a cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON like documents with optional schemas.

Procedure:

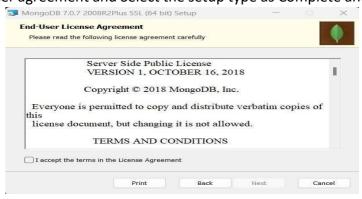
Installation:

STEP 1: Go tohttps://www.mongodb.com/download-center/community. Select the necessary configuration and click on the Download button.

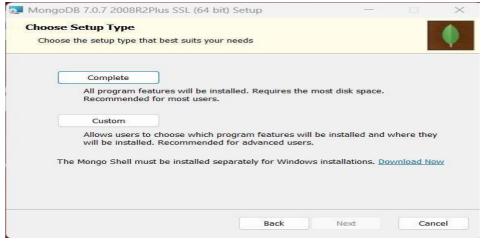
STEP 2: In the installation wizard, Click Next.



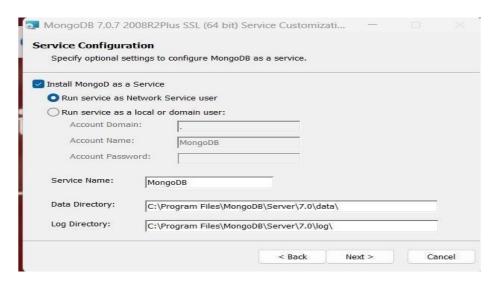
Accept the user agreement and Select the setup type as Complete and click Next.

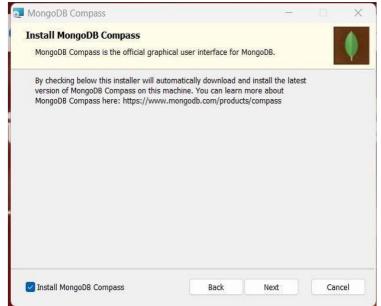


STEP 3:



Click the Next button in the upcoming two windows.

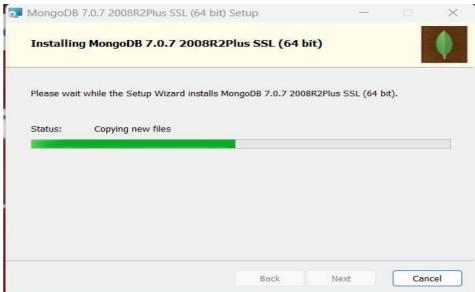




Click on the install button to start the installation.

STEP 4:

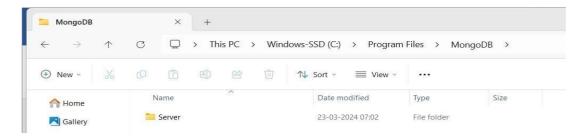




Click on the Finish button to finish the set up.



STEP 5: MongoDB requires a data directory under the C drive which will have a Server file. Create it.



STEP 8: In the command prompt, enter the following command "cd C:\Program Files\MongoDB\Server\7.0\bin". Once inside the folder, type "mongod" command.

```
C.\Program Files\RompoNS.terver\7.8\Dishimsenoopd
(Frt:[5date:-2024-8-07110:013.0740-8]30], *s:17. cc:CONTROL. | fd:2328, | ct::thread!, msg::Automatically disabling IIS 1.8, to force-enable IIS 1.8 specify —solisabledProtocols *none*]

frt:[5date:-2024-8-07110:013.0740-8]30], *s:17. cc:RIYOON* | id:031570, ct::thread!, msg::Initialized gare specification, attr:[1gerice:[1initialized]]

frt:[5date:-2024-8-07110:013.0470-8]30], *s:17. cc:RIYOON* | id:031570, ct::thread!, msg::Initialized gare specification, attr:[1gerice:]fineningProtocols *none*]

frt:[5date:-2024-8-07110:013.0400-8]30], *s:17. cc:RIYOON* | id:031570, msg::Thread!, msg::Successfully registered PrimaryonlyService, attr:[1service:]termingrationSocriptons of the protocols in the p
```

STEP 9: After the service is started open another command prompt and move to the directory specified before. Type "mongo" in order to open the mongo shell.

MongoDB is installed successfully.

Creation of collection:

- 1. Create database using "use databasename" command.
- 2. Create a collection and insert a value using

```
vehicle> db.createCollection("employee");
    test> show dbs
                               { ok: 1 }
   admin 40.00 KiB
                              vehicle> show dbs
   config 60.00 KiB
                              admin
                                        40.00 KiB
   local
            40.00 KiB
                              config
                                         72.00 KiB
            8.00 KiB
   userdb
                              local
                                        40.00 KiB
   test> use vehicle
                              userdb
                                         8.00 KiB
   switched to db vehicle
                             vehicle
                                         8.00 KiB
vehicle> db.employee.insertOne({"Emp_id": 1, "Emp_Name": "Rithi", "Phone_no": 9345542103, "salary": 50000})
 acknowledged: true,
insertedId: ObjectId('661268dcefc8f645d016c9b5')
```

4. "db.collectionname.insert({"key":value,"key":"value})" command.

Result:

Thus, the MongoDB was installed and the collections is created successfully.