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.

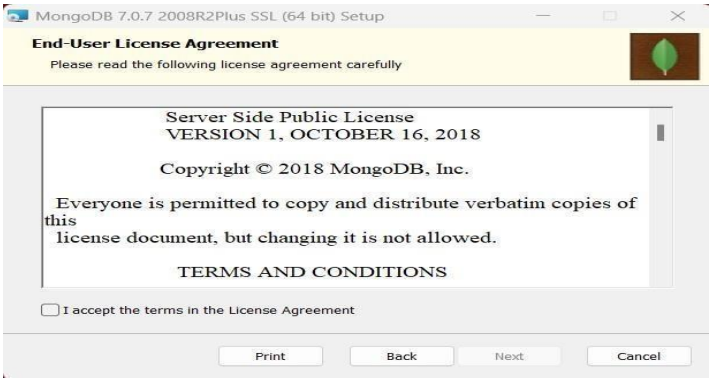
Procedure:

Installation:

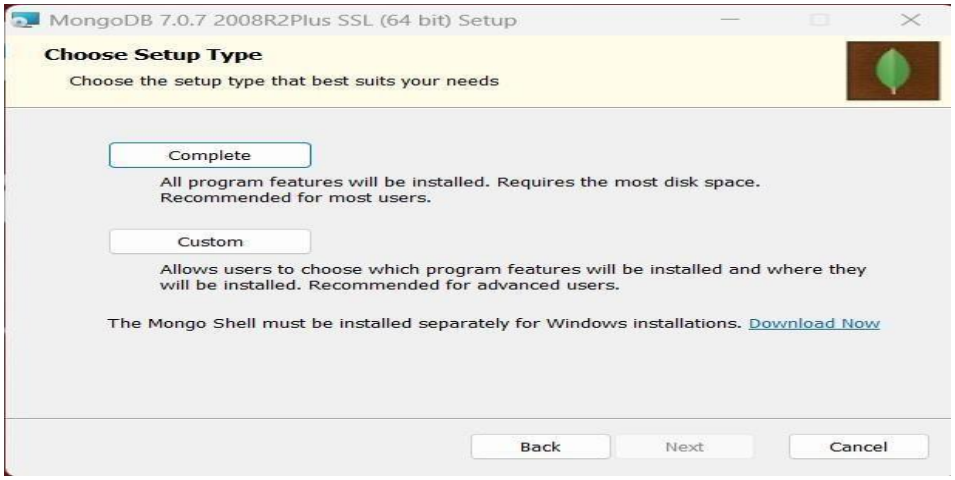
STEP 1: Go tohttps://www.mongodb.com/download-center/community. Select the necessary configuration and click on the Download button.

STEP 2: In the installation wizard, Click Next.

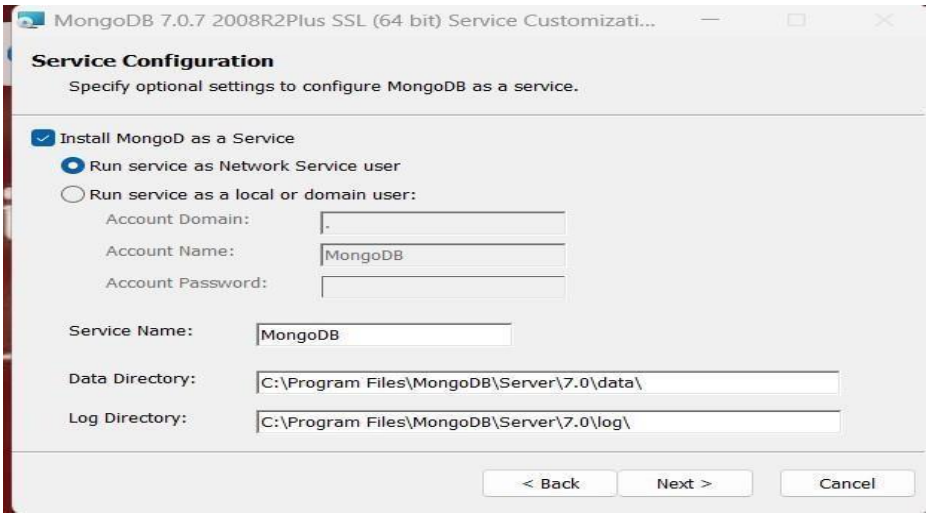
Accept the user agreement and Select the setup type as Complete and click Next.

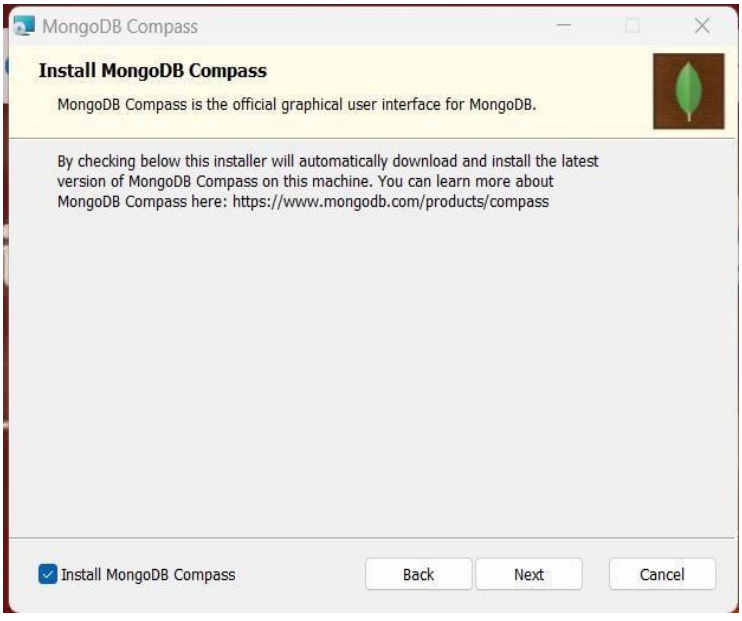


STEP 3:



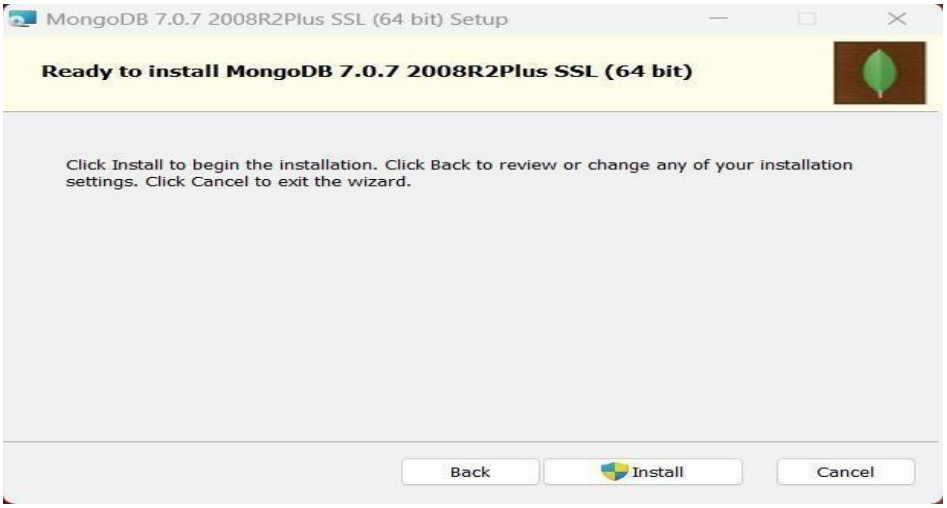
Click the Next button in the upcoming two windows.

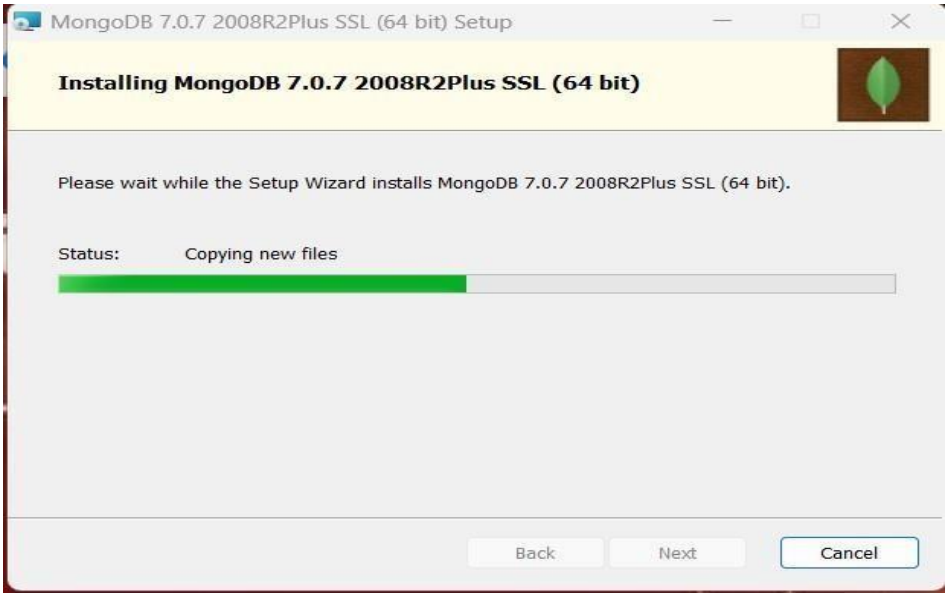




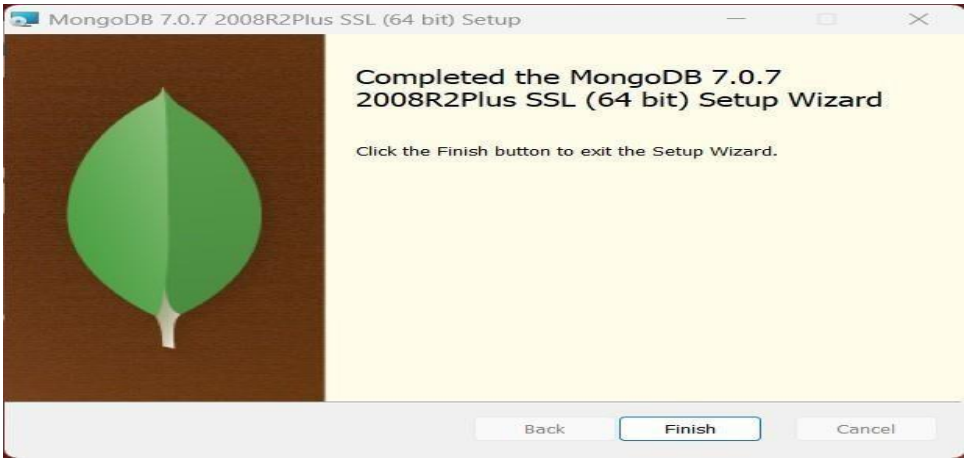
Click on the install button to start the installation.

STEP 4:

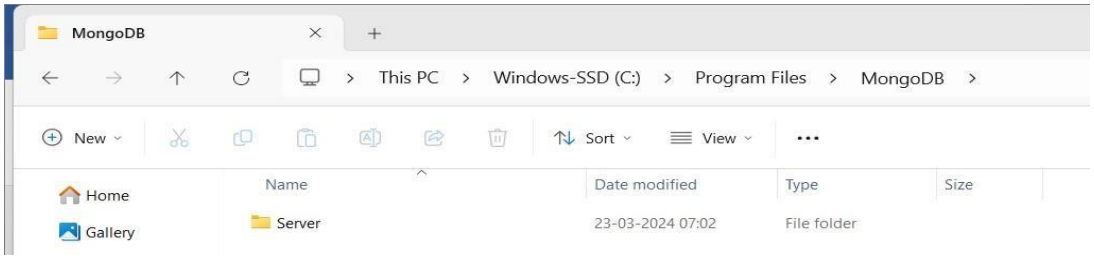




Click on the Finish button to finish the set up.



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.

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

```
test> show dbs
admin   40.00 KiB
config  60.00 KiB
local   40.00 KiB
userdb   8.00 KiB
test> use vehicle
switched to db vehicle
```

```
vehicle> db.createCollection("employee");
{ ok: 1 }
vehicle> show dbs
admin    40.00 KiB
config   72.00 KiB
local    40.00 KiB
userdb    8.00 KiB
vehicle   8.00 KiB
```

3.

```
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.