

## **LAB NO 12**

### **BACKUP AND RESTORATION IN MONGODB**

#### **OBJECTIVE:**

- To learn about backup and restoration
- To implement different methods of backup by using mongodump.
- To implement different methods of restoration by using mongorestore.

#### **LAB TASKS:**

1. Create a backup for all the databases.

```
C:\Users\HP\Desktop\mongodb>mongodump
2025-06-11T18:35:06.942+0500   writing admin.system.version to dump\admin\system.version.bson
2025-06-11T18:35:06.965+0500   done dumping admin.system.version (1 document)
2025-06-11T18:35:06.965+0500   writing test.products to dump\test\products.bson
2025-06-11T18:35:06.965+0500   writing bookstore.authors to dump\bookstore\authors.bson
2025-06-11T18:35:06.966+0500   writing test.articles to dump\test\articles.bson
2025-06-11T18:35:06.967+0500   writing bookstore.books to dump\bookstore\books.bson
2025-06-11T18:35:06.990+0500   done dumping bookstore.authors (4 documents)
2025-06-11T18:35:06.990+0500   writing test.cities to dump\test\cities.bson
2025-06-11T18:35:07.002+0500   done dumping test.products (13 documents)
2025-06-11T18:35:07.002+0500   writing test.countries to dump\test\countries.bson
2025-06-11T18:35:07.023+0500   done dumping test.articles (4 documents)
2025-06-11T18:35:07.023+0500   writing test.blogs to dump\test\blogs.bson
2025-06-11T18:35:07.035+0500   done dumping bookstore.books (3 documents)
2025-06-11T18:35:07.036+0500   writing test.regions to dump\test\regions.bson
2025-06-11T18:35:07.048+0500   done dumping test.countries (2 documents)
2025-06-11T18:35:07.048+0500   writing test.conversations to dump\test\conversations.bson
2025-06-11T18:35:07.072+0500   done dumping test.cities (2 documents)
2025-06-11T18:35:07.072+0500   writing test.posts to dump\test\posts.bson
2025-06-11T18:35:07.083+0500   done dumping test.regions (2 documents)
2025-06-11T18:35:07.168+0500   done dumping test.blogs (2 documents)
2025-06-11T18:35:07.183+0500   done dumping test.conversations (2 documents)
2025-06-11T18:35:07.201+0500   done dumping test.posts (1 document)
```

2. Create a backup for the specified database.

```
C:\Users\HP\Desktop\mongodb>mongodump --db practice --out practiceBackup
2025-06-11T18:44:35.890+0500   writing practice.examples to practiceBackup\practice\examples.bson
2025-06-11T18:44:35.893+0500   done dumping practice.examples (0 documents)

C:\Users\HP\Desktop\mongodb>mongodump --db practice --collection examples --out examplesBackup
2025-06-11T18:44:57.770+0500   writing practice.examples to examplesBackup\practice\examples.bson
2025-06-11T18:44:57.773+0500   done dumping practice.examples (0 documents)
```

### 3. Delete the specified database and restore it.

```
test> use practice
switched to db practice
practice> db.dropDatabase()
{ ok: 1, dropped: 'practice' }
practice> exit

C:\Users\HP\Desktop\mongodb>mongorestore --db practice practiceBackup/practice
2025-06-11T18:53:58.724+0500 The --db and --collection flags are deprecated for this use-case; please use --nsInclude
instead, i.e. with --nsInclude=${DATABASE}.${COLLECTION}
2025-06-11T18:53:58.725+0500 building a list of collections to restore from practiceBackup\practice dir
2025-06-11T18:53:58.726+0500 don't know what to do with file "practiceBackup\practice\prelude.json", skipping...
2025-06-11T18:53:58.727+0500 reading metadata for practice.examples from practiceBackup\practice\examples.metadata.js
on
2025-06-11T18:53:58.802+0500 restoring practice.examples from practiceBackup\practice\examples.bson
2025-06-11T18:53:58.815+0500 finished restoring practice.examples (0 documents, 0 failures)
2025-06-11T18:53:58.815+0500 no indexes to restore for collection practice.examples
2025-06-11T18:53:58.815+0500 0 document(s) restored successfully. 0 document(s) failed to restore.
```

### 4. Explore the queries and process for backup and restoration in SQL.

```
C:\Users\HP\Desktop\mongodb>mongorestore --db practice --collection examples examplesBackup/practice/examples.bson
2025-06-11T18:55:39.452+0500 checking for collection data in examplesBackup\practice\examples.bson
2025-06-11T18:55:39.452+0500 reading metadata for practice.examples from examplesBackup\practice\examples.metadata.json
2025-06-11T18:55:39.454+0500 restoring to existing collection practice.examples without dropping
2025-06-11T18:55:39.454+0500 restoring practice.examples from examplesBackup\practice\examples.bson
2025-06-11T18:55:39.497+0500 finished restoring practice.examples (0 documents, 0 failures)
2025-06-11T18:55:39.498+0500 no indexes to restore for collection practice.examples
2025-06-11T18:55:39.498+0500 0 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\HP\Desktop\mongodb>mongodump --db practice --collection examples --out examplesBackup
2025-06-11T18:55:56.932+0500 writing practice.examples to examplesBackup\practice\examples.bson
2025-06-11T18:55:56.933+0500 done dumping practice.examples (0 documents)
```