Exercise: 06 210701134

# Import a JSON file from the command line. Apply the following actions with the data present in the JSON file where, projection, aggregation, remove, count limit, skip and sort

#### Aim:

To Import a JSON file from the command line. Apply the following actions with the data present in the JSON file where, projection, aggregation, remove, count, limit, skip and sort.

#### **Procedure:**

- 1. Open the terminal and run mongod. This will run the MongoDB server locally in your system.
- 2. In another terminal window run mongosh. This will activate the MongoDB Shell.
- 3. Create a database using the command use <database name>.
- 4. Then in another window run this command mongoimport --db test\_db --collection student --file /path/to/student.json -jsonArray
- 5. The above command will import the JSON file into the database you created.
- 6. Then use the MongoDB commands to perform the given operations.

### **Output:**

```
jesper — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000 — -zsh — 155×17

[jesper@j ~ % mongoimport --db test_db --collection student --file /Users/jesper/Documents/mongo_data.json --jsonArray

2024-09-08112:56:43.922+0530 connected to: mongodb://localhost/
2024-09-08112:56:43.928+0530 5 document(s) imported successfully. 0 document(s) failed to import.

jesper@j ~ %
```

#### 1. Find where:

```
| September | Sept
```

## 2. Projection:

# 3. Aggregation

#### 4. Remove

```
ipsper - mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000 - ?directCo...
{    name: 'big_guy', age: 20 }
test_db> db.student.deleteMany({    name: "joe" })
{    acknowledged: true, deletedCount: 1 }
test_db>
```

#### 5. Count:

```
• • imjesper — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000 — ?directConnection=true&__CFBundleIdentifier=com.apple.Terminal — 181x5 } 1 test_db> db.student.countDocuments({age:{$gt:28}}); test_db> implies the countDocument of the countDocu
```

#### **6. Sort :**

# 7. Skip:

## **8. Limit:**

#### **Result:**

Thus the import a JSON file from the command line. Apply the following actions with the data present in the JSON file where, projection, aggregation, remove, count limit, skip and sort is successfully completed