FULL STACK WITH MERN USING JAVA
ASSIGNMENT – 4

Aim: To create databases, collections, insert documents, query data, and perform basic operations in MongoDB.

```
# Database Setup: Creating a new MongoDB database called myDatabase.

use myDatabase

# Collection Creation: Creating a collection named users within the
myDatabase database.

db.createCollection("users")

# Document Insertion: Insert at least three documents into the users collection,
# each representing a user with fields such as name, email, and age.

db.users.insertMany([
  { name: "Arun", email: "arun@gmail.com", age: 25 },
  { name: "Ramesh", email: "ramesh@gmail.com", age: 35 },
  { name: "Suresh", email: "suresh@gmail.com", age: 40 }
])

# Querying: Writing queries to retrieve:

# To get all users from the users collection.

db.users.find({})

# To find Users with an age greater than or equal to 30.

db.users.find({ age: { $gte: 30 } })

# Update Operation: Update the age of a user with a specific email address.
db.users.updateOne(
  { email: " arun@gmail.com" },
```

```
  { $set: { age: 36 } }
)
```

Deletion Operation: Delete a user document based on a specific email address.

```
db.users.deleteOne({ email: " ramesh@gmail.com" })
```

Index Creation: Create an index on the email field of the users collection.

```
db.users.createIndex({ email: 1 })
```