LAB 9_DOCKER:

- **Step 1: Pull MongoDB image**

  docker pull mongo

- **Step 2: Run MongoDB container(with interactive shell)**

  docker run -d --name mongo-server -p 27017:27017 mongo

  docker exec -it mongo-server mongosh

(MONGO SERVER IS NAME OF CONTAINER running it using interactive shelll)

- **Step 3: Check MongoDB version**

  db.version()

- **Step 4: List available databases**

  show dbs

- **Step 5: Create a new database with your name**

```
use warda
```

- **Step 6: Create `students` collection and insert documents**

```
db.students.insertMany([
  { name: "Ali", age: 21, major: "CS" },
  { name: "Zara", age: 22, major: "SE" },
  { name: "Hassan", age: 20, major: "IT" }
])
```

- **Step 7: Retrieve all documents**

```
db.students.find().pretty()
```

- **Step 8: Update a student's age**

```
db.students.updateOne(
  { name: "Zara" },
  { $set: { age: 23 } }
)
```

- **Step 9: Delete a student record**

```
db.students.deleteOne({ name: "Ali" })
```

- **Step 10: List all collections**

```
show collections
```

- **Exit the shell:**
  ```
  exit
  ```

- **Stop the Mongo container**
  ```
  docker ps
  ```
  Then stop it using the container ID:
  ```
  docker stop <container_id>
  docker ps
  ```