| Ex. No.: 09 | Reading Data From MongoDB |
|---|---|
| Date : 18/09/2024 | |

**Aim:**

To insert a document containing user information into a MongoDB collection and retrieve all documents from the collection to verify the insertion.

**Procedure:**

**1. Set Up MongoDB:**

- Ensure you have MongoDB installed and running on your machine.
- Open the MongoDB shell or connect to your MongoDB instance using a client like MongoDB Compass.

**2. Create or Switch to the Database:**

- Use the command to switch to the desired database:

```
javascript
use aslam
```

3. Insert a Document:

- Insert a document into the collection named myCollection:

```
javascript
db.myCollection.insertOne({
name: "Jeeva",
age: "21",
email: "Hi10@gmail.com"
})
```

**4. Check Insertion Acknowledgment:**

- Verify the acknowledgment and inserted ID from the output.

**5. Retrieve All Documents:**

- Retrieve and display all documents in the collection:

```
javascript
db.myCollection.find()
```

**Source Code:**

Here’s the complete MongoDB shell code to execute the above steps:

```
javascript
// Switch to the database named 'aslam'
use aslam;

// Insert a document into 'myCollection'
db.myCollection.insertOne({
  name: "Jeeva",
  age: "21",
  email: "Hi10@gmail.com"
});

// Find all documents in 'myCollection'
db.myCollection.find();
```

**Output:**

Upon executing the insert command, you will see an acknowledgment response similar to the following:

plaintext

```
{
  acknowledged: true,
  insertedId: ObjectId('670bc1026e7e078e8add91ea')
}
```

After executing the find() command, the output will display the documents in the collection:

plaintext

```
{ "_id" : ObjectId("670bc1026e7e078e8add91ea"), "name" : "Jeeva", "age" : "21", "email" : "Hi10@gmail.com" }
```