XploCode Infotech Pvt Ltd

Backend Bootcamp Workshop

Date:06-02-2026

Task 1: Create Database

1. **Open MongoDB shell.**
2. **Create and switch to a database named `collegeDB`.**

```
use collegeDB
```

Task 2: Create Collection

1. **Create a collection named `students`.**

```
db.createCollection("students")
```

Task 3: Insert Data

1. **Insert one student record into the `students` collection.**

```
db.students.insertOne({
  name: "Anu",
  age: 20,
  course: "NodeJS",
  email: "anu@gmail.com"
})
```

2. **Insert multiple student records.**

```
db.students.insertMany([
  { name: "Ravi", age: 21, course: "MongoDB" },
  { name: "Meena", age: 22, course: "NodeJS" }
])
```

Task 4: Find (Read) Data

1. **Display all student records.**

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

2. **Display students enrolled in NodeJS.**

```
db.students.find({ course: "NodeJS" })
```

Task 5: Update Data

1. **Update the course of student Anu to `ExpressJS`.**

```
db.students.updateOne(
  { name: "Anu" },
  { $set: { course: "ExpressJS" } }
)
```

Task 6: Delete Data

1. **Delete one student whose name is `Ravi`.**

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

2. **Delete all students with course `MongoDB`.**

```
db.students.deleteMany({ course: "MongoDB" })
```

Task 7

Create a POST API in Node.js that receives data from an HTML form and stores it in MongoDB.

Example API URL:

https://localhost:3000/registerData

Method: POST

Example Request Body (JSON):

(Replace this JSON with the fields you designed in your registration page - refer your notebook)

```
{
  "name": "Chitra",
  "gender": "Female",
  "dob": "1991-01-14",
  "email": "chitra@gmail.com",
  "password": "abcabcabc"
}
```

Expected Response:

```
{
  "message": "User registered successfully"
}
```

Instructions:

- When the user fills the form and clicks **Submit**, send the data to the API using **Axios POST request**.
- Display the **server response** in the browser console.