**Hands-on No.: 6**

**Topic : CRUD Operations**

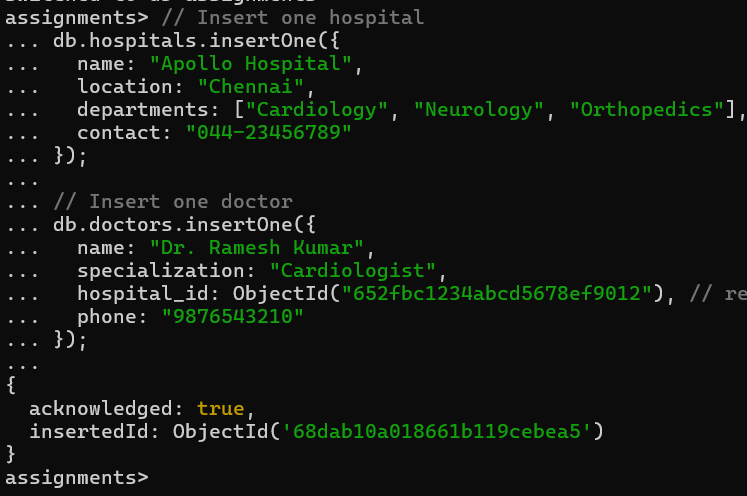
**Date : 23-09-2025**

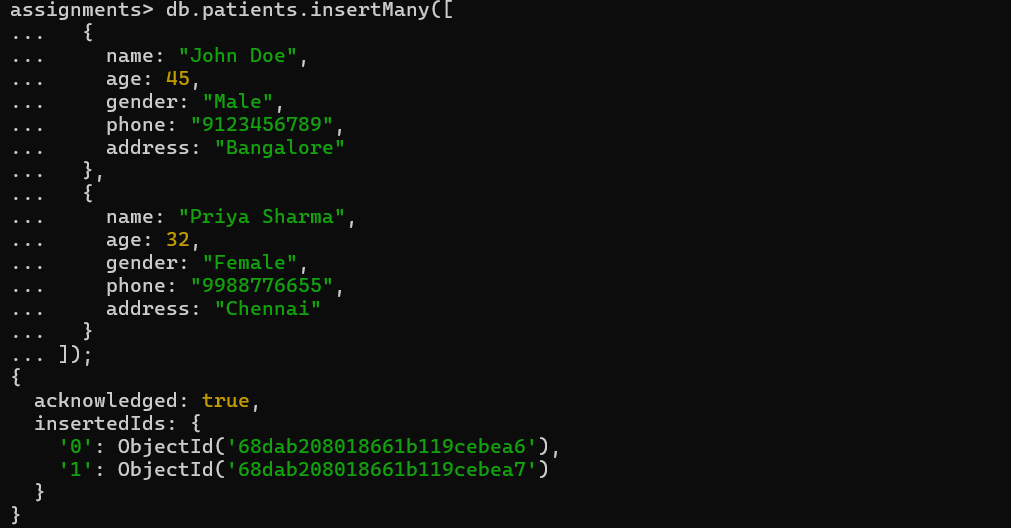
**Create (C):**

**1. Create hospitals, doctors, patients, appointments and admins collection schemas for Hospital Management System**

**2. Insert new documents into collections following the defined schemas**

**using insertOne and insertMany**

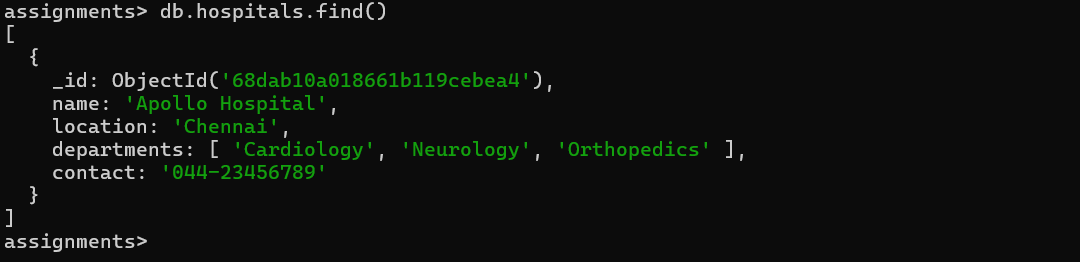
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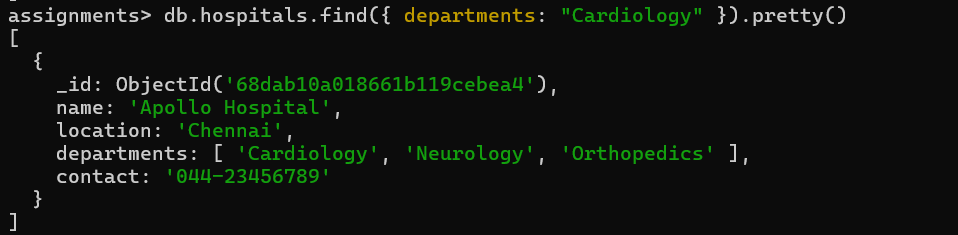
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**Read (R):**

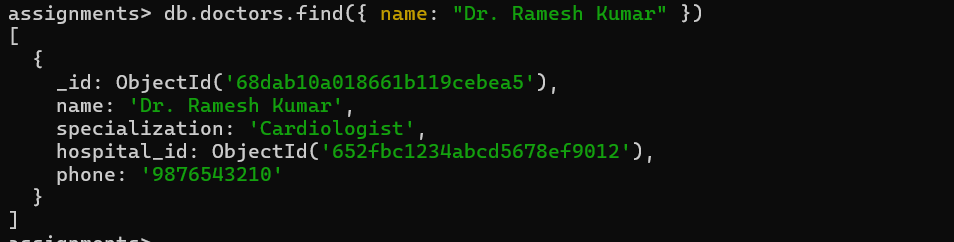
1. **Find all hospitals**

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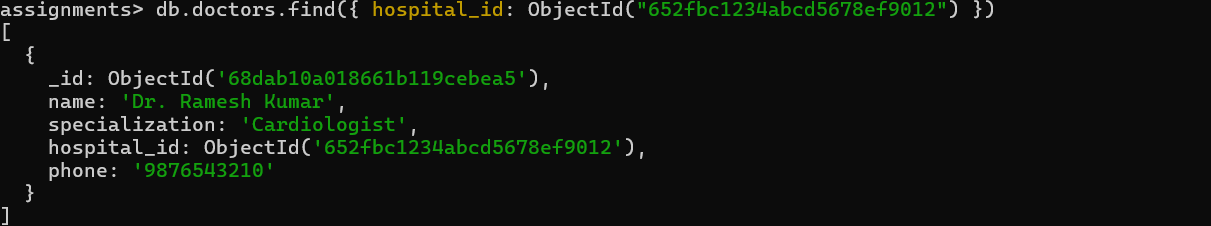
1. **Find hospitals with specific departments**

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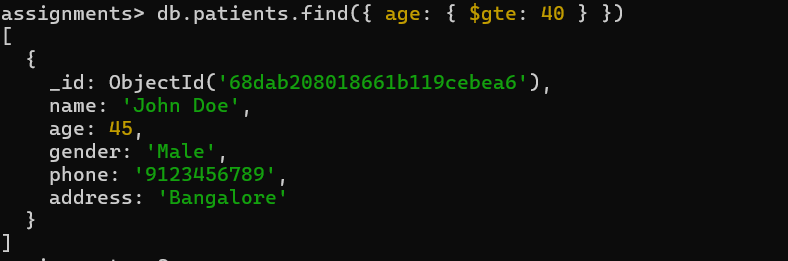
1. **Find doctors by name**

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1. **Find doctors by hospital**

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1. **Find patients age 40 and above**

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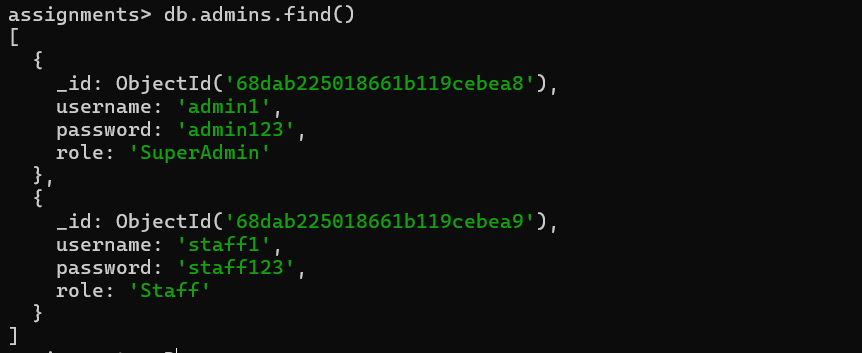
1. **Find appointments by doctor**

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1. **Find appointments by patient**

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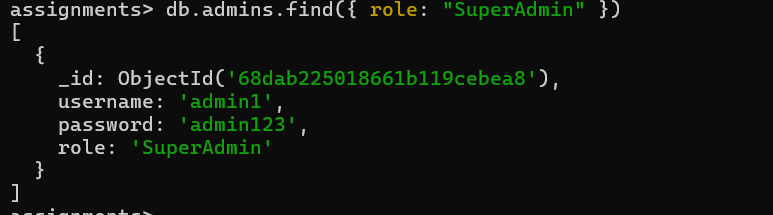
1. **Find all admins**

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1. **Find admins by name**

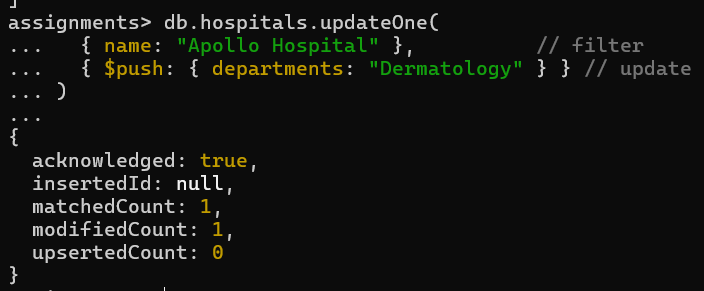
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**10.Find admins by role**

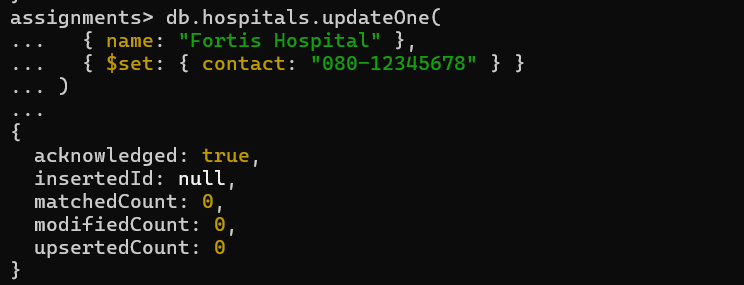
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**Update (U):**

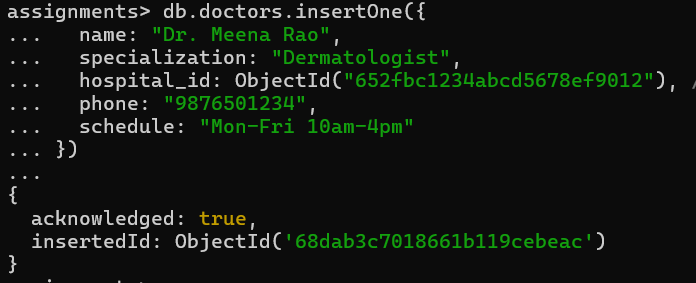
1. **Add a new department to a hospital**

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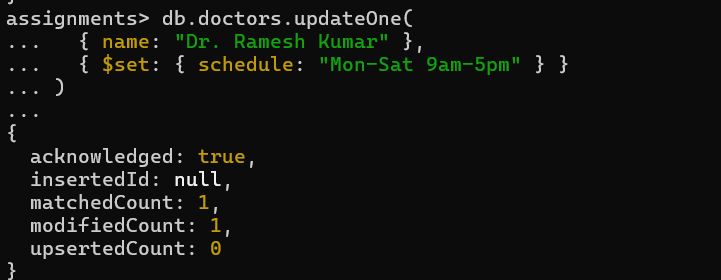
1. **Update contact details for a hospital**

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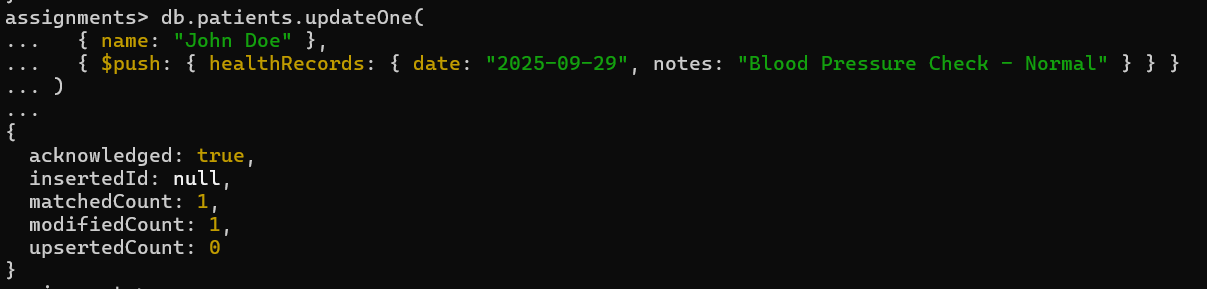
1. **Add a new doctor to a hospital**

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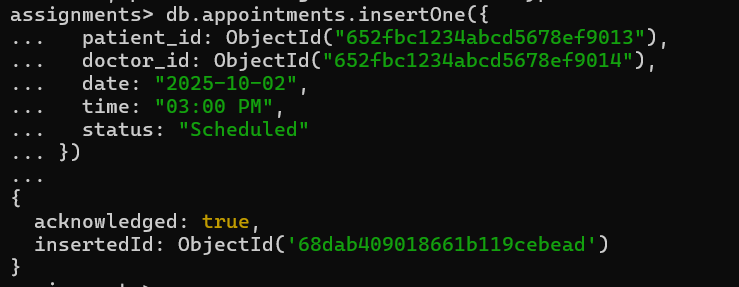
1. **Update schedule for a doctor**

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1. **Update health records for a patient**

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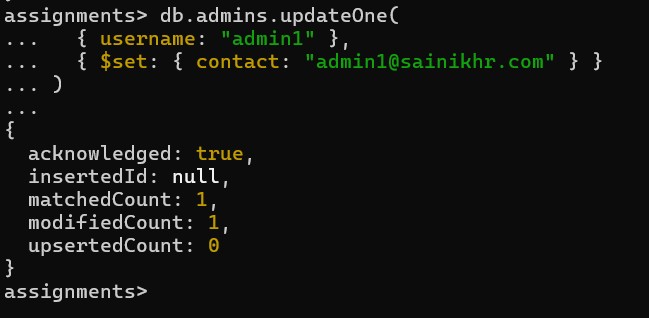
1. **Add a new appointment for a patient**

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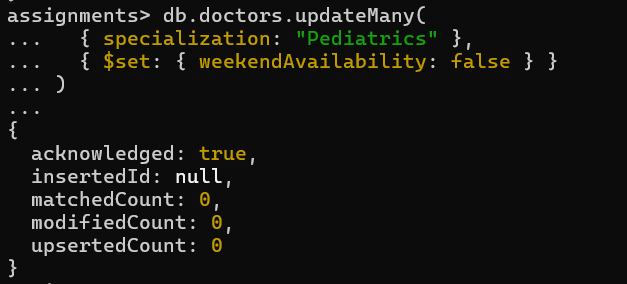
1. **Update appointment status**

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1. **Update contact details for an admin**

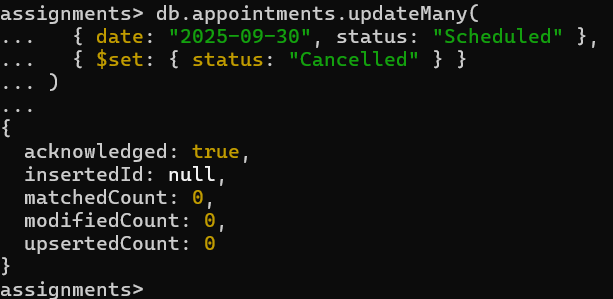
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1. **Update the availability of all doctors who have a specific specialization, such as "Pediatrics", to mark them as unavailable on weekends**

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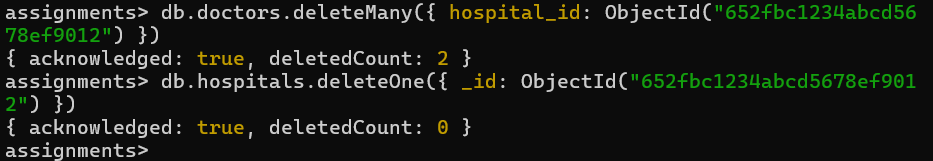
**10.Update the status of all appointments that are scheduled for tomorrow to**

**"Cancelled"**

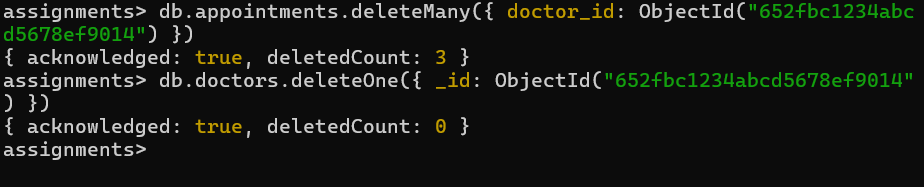
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**Delete (D):**

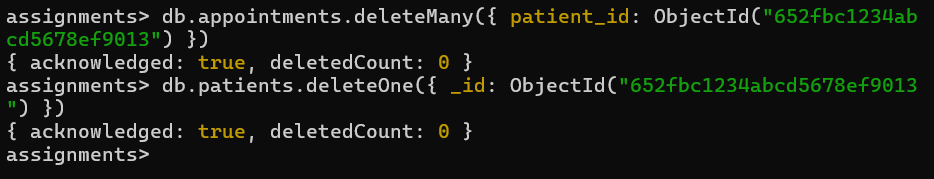
1. **Delete a Hospital and Associated Doctors**

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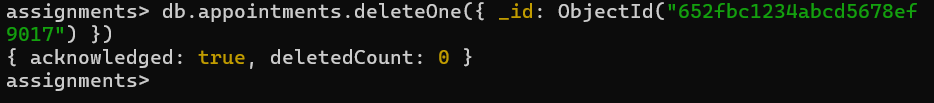
1. **Delete a Doctor and Their Appointments**

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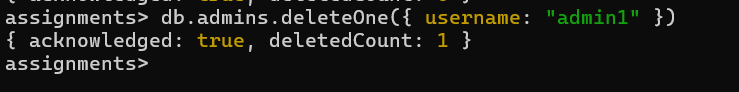
1. **Delete a Patient and Their Appointments**

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1. **Delete an Appointment**

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1. **Delete an Admin**

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