**🧪 Exercise: Faculty Database CRUD Practice**

**🔹 Use Case: You are managing faculty information for a university.**

**📋 Tasks (Run each step in mongosh)**

**1️⃣ Switch to a new database called facultydb**

**2️⃣ Create a collection named professors and insert the following 3 professors:**

* A professor teaching "Mathematics", with 10 years of experience, and is currently active.
* A professor teaching "Physics", with 5 years of experience, and is currently inactive.
* A professor teaching "Chemistry", with 8 years of experience, and is currently active.

Each document should contain:

* name (string)
* subject (string)
* experience (number, in years)
* active (boolean)

**3️⃣ Find all professors in the professors collection**

**4️⃣ Find only the professors who are active**

**5️⃣ Update the experience of the "Physics" professor to 6 years**

**6️⃣ Mark the "Physics" professor as active**

**7️⃣ Delete the professor who teaches "Chemistry"**

db.professors.insertMany([

{

name: "Dr. Kavita Iyer",

subject: "Mathematics",

experience: 10,

active: true

},

{

name: "Dr. Nikhil Sinha",

subject: "Physics",

experience: 5,

active: false

},

{

name: "Dr. Meera Das",

subject: "Chemistry",

experience: 8,

active: true

}

])