

Section 1: Data Insertion

1. Create a database named **companyDB**.
2. Use the collection **employees** for this test.
3. Perform each task as per the given instructions.
4. Show the output for each query you execute.
5. Submit screenshots or JSON responses of the queries executed where applicable.

Section 2: Relational Operators

Write the MongoDB queries for the following tasks:

Task 2: Find all employees whose **salary** is **greater than 50,000**.

Task 3: Retrieve employees whose **age** is **between 25 and 35** (inclusive).

Task 4: Find employees in the **IT department** and sort them by **age in descending order**.

Task 5: Retrieve employees whose **name starts with the letter 'A' or 'D'**.

Section 3: Logical Operators

Write MongoDB queries for the following tasks:

Task 6: Find employees who are either **active** or have a **salary greater than 80,000**.

Task 7: Retrieve employees who are **not from the Sales department**.

Task 8: Find employees who have both the skills **"communication"** and **"presentation"**.

Section 4: Array Methods

Use array operators to answer the following questions:

Task 9: Retrieve employees who have **"MongoDB"** listed as one of their skills.

Task 10: Find employees with **at least 3 skills** in their skills array.

Task 11: Add a new skill **"leadership"** to **Bob's** skills array.

Task 12: Remove **"security"** from **Eve's** skills array.