

____ ASSIGNMENT-02 ____

Que 1. Create a database university and a collection named students. Insert multiple student document with field: name, age, department, and grades.

Que 2. Write a query to display all students who are in the Computer Science department.

- `db.students.find({department:"Computer Science"})`

Que 3. Write a query to update the grades of a students named Alice by adding a new subject programming with a grades of 93

Que 4. Write a query to increment the age of all students by 1.

- `db.students.updateMany({},{$inc:{age:1}})`

Que 5. Write a query to delete all students who are 23 year old.

- `db.students.deleteMany({age:23})`

Que 6. Write a query to create a index on the name field of the students collections.

- `db.students.createIndex({name:1})`

Que 7. Write an aggregation query to group students by their department and calculate the average age in each department.

- `db.students.aggregate([{$group:{_id: "$department",averageAge:{$avg:"$age"}}}])`

Que 8. Write a query to find all students who have scored more than 90 in any subject.

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Que 9. Write a query to delete all students who are 23 years old.

- `db.students.deleteMany({age:{$eq:23}})`

Que 10. How can you retrieve only the name and department fields for all students, excluding the `_id` field?

- `db.students.find({}, {name:1, department:1, _id:0})`