

Q1. Create a collection called Students with following fields

USN

Name

Course

Major

Grade

```
db.version();
```

```
db.createCollection('students');
```

```
show collections;
```

CRUD operations in MongoDB

1. Create and Inserting data

Eg:

```
db.students.insertOne({_id:1,
```

```
USN:1001,Name:'William',Course:'MCA',Major:'Big data',Grade:'A'})
```

```
// insert minimum 5 records
```

2. Read --- Querying data

3. Display All students Students of BCA

4. Display those who are under the course MCA

5. Students with USN more than 1005

```
ans: db.students.find({USN:{$gt:1005}});
```

6. Display the Students of MCA with major 'Big data'

7. Display the Student's Names starting with S

```
ans: db.students.find({Name:/^S/});
```

Update

1. Update the grade of usn:1004. Make the grade as A+
2. Delete any one record(use remove method)

aggregate operations

1. To find the total count ==>db.Students.count();
2. To find the Count of MCA students
==>db.Students.count({Course:'MCA'});
3. Display the Names of all students (name column is sorted in asc)
4. Display the Names of MCA students (name columns is sorted in asc)

Names of students who have taken MCA and Major subject as AI?