Database: campusdb

```
use campusdb
```

Collection: enrollments

```
db.createCollection("enrollments")
```

Tasks:-

1. Use a new database called campusdb

```
use campusdb
```

2. Create a collection enrollments and insert 4 student documents.

```
db.enrollments.insertMany([
name: "Ananya Verma",
studentId: 101,
courses: ["Python", "Java"],
address: { city: "Delhi", state: "Delhi" },
feesPaid: true
name: "Rohan Mehta",
studentId: 102,
courses: ["Python", "AI"],
address: { city: "Bangalore", state: "Karnataka" },
feesPaid: false
},
name: "Sneha Kapoor",
studentId: 103,
courses: [],
address: { city: "Hyderabad", state: "Telangana" },
feesPaid: true
},
name: "Imran Shaikh",
studentId: 104,
courses: ["Data Science", "Java"],
address: { city: "Delhi", state: "Delhi" },
feesPaid: false
])
```

3. Display all student records

```
db.enrollments.find()
```

4. Find all students enrolled in "Python"

```
db.enrollments.find(
{courses: {$in: ["Python", "$courses"]}}
)
```

5. Find students from Delhi who have not paid fees

```
db.enrollments.find(
{feesPaid: false, "address.state": "Delhi"}
)
```

6. Add a new course "AI Fundamentals" to a specific student's courses

array

```
db.enrollments.updateOne(
{name: "Sneha Kapoor"},
{$push: {courses: {$each: ["AI Fundamentals "]}}}
)
```

7. Update the city of a specific student to "Mumbai"

8. Set feesPaid to true for all students from "Delhi"

```
db.enrollments.updateMany(
    {"address.state": "Delhi"},
    {$set: {feesPaid: true}}
)
```

9. Remove "Java" course from any student who has it

```
db.enrollments.updateMany(
{courses: {$exists: true}},
{$pull: {courses: {$in: ["Java"]}}}
)
```

10. Delete all students who have no courses enrolled (i.e., courses: [])

```
db.enrollments.deleteMany(
{courses: {$size: 0}}
)
```