MongoDB CRUD Operations Example - School Database

```
Database: school Collection: students Fields: name, sem, rollno, hobbies
```

1. Create / Select Database

```
use school
```

2. Create Collection

```
db.createCollection("students")
```

3. Insert Documents

Insert One

```
db.students.insertOne({
  name: "Sairam",
  sem: 5,
  rollno: 101,
  hobbies: ["coding", "reading"]
})
```

Insert Many

```
rollno: 104,
hobbies: ["dance", "traveling"]
}
])
```

4. Read Documents

Find One

```
db.students.findOne({ rollno: 101 })
```

Find Many

```
db.students.find({ sem: 5 })
```

Optional (pretty print):

```
db.students.find({ sem: 5 }).pretty()
```

5. Update Documents

Update One

Update Many

6. Delete Documents

Delete One

```
db.students.deleteOne({ rollno: 104 })
```

Delete Many

```
db.students.deleteMany({ sem: 3 })
```

This document provides a **complete CRUD cycle** in MongoDB with examples for **single and multiple documents**.