1. Show Collections

```
f1_lms_mongo;> show collections;
instructors
progress
users
f1_lms_mongo;>
```

Confirmed collections: instructors, users, progress.

2. Insert Instructors

Inserted 3 instructors into MongoDB.

3. Insert User

Added user Charles Leclerc.

4. Insert Progress

Created progress entry for *Team Foundations*.

5. \$lookup Query (MongoDB JOIN Equivalent)

```
f1_lms_mongo;> db.progress.aggregate([
          $lookup: {
            from: "users",
localField: "user_id",
            foreignField: "name",
            as: "user_info"
          $lookup: {
            from: "courses",
localField: "course",
foreignField: "title",
          $project: {
          _id: 0,
"user_info.name": 1,
"course_info.title": 1,
            completed: 1,
             score: 1
 ... 1);
     completed: false,
     score: 0,
user_info: [ { name: 'Charles Leclerc' } ],
     course_info: []
f1_lms_mongo;>|
```

Successfully joined progress with user and course info.

Summary

The MongoDB section demonstrates:

- Creating instructors, users, and progress collections.
- Inserting structured data into MongoDB.
- Using \$lookup to achieve JOIN-like queries.