Lab Tasks

Submission instructions: Perform the following tasks on Mongosh. Submit your query text along with screenshot of query + output.

- 1. Create a database named SchoolDB.
- 2. Create two collections:
 - o Students
 - Courses
- 3. Insert the following documents into the Students collection:

4. Insert the following documents into the Courses collection:

- 5. Use findOne to retrieve:
 - o A student where the math score is >= 85 and the age is < 22.
 - o A course where the studentsEnrolled array includes 3 and the instructor is "Dr. Adams".
- 6. Use find to retrieve:
 - Students with math score >= 80 and science score < 90.
 - Students whose age is < 23 or have a math score >= 85.
 - \circ Students with science score >= 80 and (either math score < 75 or age > 22).
- 7. Use updateOne to:
 - \circ Increase the science score of the student where name is "Bob" and math score is >= 75.
- 8. Use updateMany to:
 - o Increase the math score by 5 for students whose science score is < 80 and age > 22.
- 9. Use deleteOne to:
 - o Remove a student where name is "Daisy" **and** their science score is < 80.
- 10. Use deleteMany to:
 - Remove courses where the studentsEnrolled array includes 2 or the instructor is "Dr. Smith".
- 11. Drop the Students collection.
- 12. Drop the Courses collection.
- 13. Finally, delete the SchoolDB database.