



Course: MSc in Computer Engineering / MSc in Bioinformatics
U.C.: NoSQL Databases

Exercise Sheet PL09

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Theme:	Triggers in MongoDB
Class:	Laboratory Practice
Academic Year:	2023-2024 – 2nd Semester
Duration of the lesson:	2 hours

Exercise

Objective: Develop a trigger in MongoDB Atlas for the *mflix* database. The trigger's purpose is to update the corresponding movie document in the movies collection whenever a new comment is inserted into the comments collection. This update will include incrementing the total number of comments.

Trigger Action: The trigger will activate after an insertion occurs in the comments collection.

Steps:

1. Retrieve the full document of the newly inserted comment.
2. Extract the movie ID from the comment document.
3. Access the movies collection to retrieve the corresponding movie document based on the movie ID.
4. Calculate the new total number of comments and the updated average rating for the movie based on the newly inserted comment.
5. Update the movie document in the movies collection with the new total number of comments and average rating.