

NSQ1 S22 Exam

Exam Information

The exam is 20 minutes for each student including set up, examination, grading and feedback.

You will draw one question with two parts. The first part focuses on the syllabus, the second part focuses on your course assignments (2 and 3).

Exam Questions

Question 1 – MongoDB Modelling / neo4j Querying

1. Explain the options for modelling data in MongoDB and compare it to ER-modelling.
2. Present your hand-in to course assignment 3 with a focus on querying the data.

Question 2 – MongoDB JSON Schema / neo4j Updating

1. Explain the elements of the JSON Schema in MongoDB and demonstrate how it is used.
2. Present your hand-in to course assignment 3 with a focus on updating the data.

Question 3 – MongoDB CRUD operations / database distribution

1. Demonstrate how to use the MongoDB CRUD operations to insert, query, update and delete documents.
2. Present your hand-in to course assignment 2 with a focus on replication and sharding.

Question 4 – MongoDB aggregation pipeline / neo4j database creation

1. Demonstrate how to use the MongoDB aggregation pipeline to query the data.
2. Present your hand-in to course assignment 3 with a focus on modelling and creating the database.

Question 5 – neo4j Modelling / MongoDB aggregation pipeline

1. Explain the options for modelling data in neo4j and compare it to ER-modelling. Demonstrate creating data.
2. Present your hand-in to course assignment 2 with a focus on using the aggregation pipeline.

Question 6 – Cypher CRUD operations / MongoDB Modelling

1. Explain the clauses of the Cypher language and demonstrate how it is used for creating and updating data.
2. Present your hand-in to course assignment 2 with a focus on modelling and creating the database.

Question 7 – Cypher querying / MongoDB CRUD

1. Explain the clauses of the Cypher language and demonstrate how it is used for querying data.
2. Present your hand-in to course assignment 2 with a focus on updating the data.