

Database Systems

Exercise 3:

Background: This exercise contains 2 tasks. Each task is described in a separate pdf file. All code should be implemented and tested **in Oracle Java** (jdk 7 or jdk 8) and you should not use any third-party libraries. Do not include any test code (neither the one we provide nor any test code you wrote yourself) in your submission.

Deadline: 14th of May @ midnight

Task 1 (70%) Implement the Multi-Version Timestamp Ordering Protocol

Deliverable for Task 1: A **single** file containing your code, MVTO.java (any additional classes that you may define have to be placed in this file) and a pdf file, MVTO.pdf, containing your answer to the given question.

Task 2 (30%) Bloom Join

Deliverable for Task 2: A **single** file containing your code, BloomJoin.java (any additional classes that you may define have to be placed in this file).