

National Institute of Technology Calicut
Department of Computer Science and Engineering
CS3095D DATABASE MANAGEMENT SYSTEMS LABORATORY

S5/S7 B.Tech. - Monsoon Semester 2022

Exercise No: 07

Relational Algebra

Evaluation plan

About the tool for Relational Algebra:

Students have to use the Relational algebra tool (<https://users.cs.duke.edu/~junyang/ra2/>) for their Lab exercise. SQLite is one of the database types supported by this tool.

(SQLite works with sql commands and is very simple to use. It can be installed and run through terminal and this will also be explained in the demo video which is going to be uploaded)

Lab Evaluation details:

1. Question Paper explains a database problem and students have to create the database using SQLite. After that some Relational Algebra queries on this database will be asked in the question paper and students will have to solve using the Relational Algebra tool mentioned above. (Timing: 2PM to 3.30 PM, Marks: 3Marks)
2. Viva will be asked on Relational Algebra concepts. (Timing: 3.30PM onwards, Marks: 2 Marks)

Note:

No need to memorize the Relational Algebra tool syntaxes (“\project_{studentName};” etc), the documentation will be uploaded in the eduserver, you can download and refer during the lab. The link for documentation is <https://users.cs.duke.edu/~junyang/ra2/> . Familiarize yourself with running these commands on ubuntu since all the lab systems run on ubuntu OS.