Homework 2 (Due Feb. 24th, 2014)

1. Read the first two sections in the survey paper: “join processing in relational databases” by Mishra and Eich, (www.diku.dk/hjemmesider/ansatte/henglein/papers/mishra1992.pdf‎**).**

And write a high level summarization/critics of three different join algorithms (block nested join, sort join and hash join) assuming if you don’t have to worry about I/O (you can read all the data into the main memory).

2. Implement the basic nested-join, sort-join and hash-join algorithms using Java (assume you can read the two tables in the main memory first; so you don’t have to deal with the I/O problem).

Your input data schema can be pre-defined:

Sailors (**sid: integer**, sname: string, rating: integer, age: real)

Reserves (**sid: integer**, bid: integer, day: dates, rname: string)

The join is based on sid.

We will provide two sample files on the course webpage.