

Introduction to Databases, ITU, Fall 2003

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Exercises on October 7

You are unlikely to be able to do all the exercises in two hours. Therefore you are encouraged to prepare at home, and use the exercises for those parts you find difficult.

In these exercises you will be using the SQL*Plus interface to the Oracle database at ITU. You should have received an Oracle username and password by e-mail (otherwise contact sysadm). To start SQL*Plus you first need to log in on the machine `oracle`. This can all be done by logging in on the host `oracle` using `ssh`.

- If outside the ITU network, first log in on `ssh.itu.dk` with your unix/mail user name and password, and then type `ssh oracle` to log in on the host `oracle` (again type unix/mail user name and password).
- At ITU use the SSH client to log in on the host `oracle` with your unix/mail user name and password.
- Type `sqlplus`, and then enter your Oracle user name and password.

You may now type (or paste in) SQL commands, and the results will be displayed in the SQL*Plus window.

1. G UW 3.7.2 on p. 126.
2. G UW 6.3.2 a), b), c), d) on p. 275. Enter the sample data in Oracle (can be copied and pasted from the files at www.itu.dk/people/pagh/IDB03/data/), and test your queries.
3. G UW 8.7.2 on p. 421. Try out your answer in Oracle with the SELECT privilege on the `Movie` relation, replacing A, B, C and D with real user names (i.e., four students should do this together).
4. G UW 6.3.10 on p. 276. Test your query on the sample data.
5. G UW 3.7.3 i) and ii) on p. 126 for the relation schema and dependencies in a).
6. G UW 8.7.4 on p. 421. Try out your answer in Oracle together with another student.

To be handed in no later than October 23, 11.59 AM:

Note that the day for hand-in has changed from Friday to Thursday

G UW 5.2.4 a), d), e), f). (Note that you must use relational algebra, not SQL.)

As always, your hand-in must be completed individually.