

CSC 370: Database Systems
Fall 2013

Student access to studentdb.csc.uvic.ca

Name: «Name»

Course login: «Login»

Course password: «password»

Passwords do not contain the numbers zero (0) or one (1).

You must be logged into a CSC computer to access the server! You can, of course, be connected remotely to that computer. (The Faculty of Engineering firewall will block all access to the server from outside the FENG network.)

Connection to the server is via the `psql` command:

```
psql --host=studentdb.csc.uvic.ca --user=<course login> --password
```

You will be prompted for your course password, given here in the box at the top of this sheet. (The “--password” option takes no arguments.) When you authenticate successfully, then you will be given the PostgreSQL prompt and will have access to your database. The name of your database is the same as your course login. You need not do anything extra to connect to it.

Remember: The <course login> is neither your Netlink account nor your CSC account.

For a list of all `psql` commands please go to:

<http://www.postgresql.org/docs/9.1/static/app-psql.html>

This webpage also includes a list of the command-line arguments for `psql` some of which you may want to use. Besides SQL commands, some additional important ones are:

- To quit `psql`: `\q` <return>
- For a list of your tables: `\dt` <return>
- For a list of your views: `\di` <return>
- To read in a file of SQL commands: `\i`
- For help: `\h`

`psql` commands are different than SQL commands. You need not be a master of `psql` command in order to complete your assignments. Make sure you learn only as much as you need.

In order to produce the file required for assignment #3 of the course you will need to use a program different than `psql`. `pg_dump` will produce output that can be used to reconstruct a database (i.e., it can saving the state of the database in a way that the state can be later recovered). You will need to redirect the command's output to a file; that file becomes what you will submit. For example, here is user `c370_s68` typing the command to create the required file:

```
pg_dump --user=c370_s68 --host=studentdb.csc.uvic.ca \  
--password > a3.sql
```

and the password will be prompted from the user who typed in this command. In the example above, the commands needs to reconstruct the database associated with user `c370_s68` will be output and saved the file named `a3.sql`. (The Linux machines in ECS 242 have the correct version of `pg_dump` for the PostgreSQL server version we are using.)