

In case it's helpful, here is a demo of doing the steps on the JDBC exercise handout.

-- 1) Log in to dbsrv1

```
~> ssh dbsrv1.cdf.utoronto.ca
dianeh@dbsrv1.cdf.utoronto.ca's password:
Type "faq" to view FAQ, and "rules" to view usage policy.
Report system problems by sending email to <admin@teach.cs.toronto.edu>.
```

The Teaching Labs are: BA2200 BA2210 BA2220 BA2240 BA2270 BA3175 BA3185 BA3195 BA3200

This is a shared Linux system. By using this system, you acknowledge that some information about your computer account (e.g. login name, process data, etc.) will be available to other users sharing this system, in ways typical of shared Linux systems.

Last login: Sun Feb 26 23:32:14 2017 from ...

-- 2) Create a directory to work in and go there.

```
dbsrv1% mkdir jdbc-practise
dbsrv1% cd jdbc-practise/
```

-- 3) Copy the required files.

```
dbsrv1% cp ~csc343h/winter/public_html/in_class/w6/code/* .
dbsrv1% ls
Example.java  jelly-beans.sql
```

-- 4) Start postgresQL.

```
dbsrv1% psql csc343h-dianeh
psql (9.3.16, server 9.3.15)
Type "help" for help.
```

-- 5) Import jelly-beans.sql.

```
csc343h-dianeh=> \i jelly-beans.sql
psql:jelly-beans.sql:5: NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "guesses_pkey"
for table "guesses"
CREATE TABLE
INSERT 0 11
```

-- 6) Look around.

```
csc343h-dianeh=> \d
csc343h-dianeh=> select * from guesses;
csc343h-dianeh=> select * from guesses where age > 10;
 number |   name   | guess | age
-----+-----+-----+-----
      3 | Sam      |   502 |  12
      4 | Madeleine |   511 |  18
      6 | Michael  |  1000 |  12
(3 rows)
```

```
csc343h-dianeh=> \q
```

-- 7 & 8) Get your bearings in the code. I used vim, but you may favour some
-- other editor. Then put your cdf username in the two spots in place
-- of mine.

```
dbsrv1% vim Example.java
```

-- 9) Compile.

dbsrv1% javac Example.java

-- 10) And run -- Ta-da! You have connected Java to SQL.

dbsrv1% java -cp /local/packages/jdbc-postgresql/postgresql-9.4.1212.jar: Example

Cole guessed 365

Avery guessed 585

Cole guessed 450

Mackenzie guessed 700

Mackenzie guessed 701

Micah guessed 498

Jiaqi guessed 509

Jamieson guessed 502

Look up who?

Mackenzie

Mackenzie guessed 700

Mackenzie guessed 701

dbsrv1%