

Programming Assignment #3, Due on 3/30/2015, Monday (11PM)

COMPSCI 410/510 Databases (Spring 2015)

100 points

Description:

Use the files on `onyx.boise.state.edu, /home/faculty/vijaydialani/cs410/labs/lab3/mysql` to create a company database and use the load statement to load the unl files into the database.

For this programming assignment, write a Java program to retrieve data from the company database and print the company organization hierarchy. That is,

1. Check each employee to see whether they have a supervisor. If you find an employee without a supervisor, then the employee is the company president.
2. Now print the company tree starting from the president.

The Java program prints the company tree from MySQL system using mysql supported JDBC API. Please name your Java program `Company.java`

The expected output of your program can be found on `onyx.boisestate.edu` in the folder `/home/faculty/vijaydialani/cs410/labs/lab3/output.txt`

A sample skeleton project is provided on onyx at location `/home/faculty/vijaydialani/cs410/labs/lab3`, please use this to develop your solution. Copy these files to a folder that you are using to develop your solution.

To build your code use:

```
./build.sh
```

To run your code use

```
./run.sh Company [server-name] [username] [password] [output-file]
```

Note that command line parameters need to be handled in the order and semantics mentioned above.

Submission:

Before submitting your program, you need to make sure it is run correctly in onyx. Submit your programs from onyx by copying the files to an empty directory (with no subdirectories) and typing the following FROM WITHIN this directory:

```
submit agable cs410 lab3
```