CMPSCI 445 — Homework 0

3 Problems, 100 Points

Due 10-Sep-2010, by 5pm.

This is a short assignment designed to check that you are able to use the main resources required for the course. Completion will be checked electronically – if you complete the steps described below, there is nothing you need to turn in.

1. **Verify email receipt**

   I will be sending welcome messages to the course email list (cmpsci-445-01-fal10@courses.umass.edu) each day during the first week of classes. Verify that you have received email sent to the course email list by forwarding any one of the welcome messages to cs445-help@edlab-mail.cs.umass.edu.

   The mailing list was automatically created from the SPIRE registration list. This means that in most cases, email will be sent to an address of the form: [yourname]@student.umass.edu, but there are exceptions to this. If you are not receiving the course list email where you expect it, login to SPIRE, look under ”My Personal Information” → ”Email Addresses” to what email address is on file.

   If you do not read mail regularly at the address on the list, please setup mail forwarding, for example, through OIT/UMail: [https://umail.oit.umass.edu](https://umail.oit.umass.edu)

2. **Login to edlab machines**

   Login remotely (using SSH) to one of the following edlab servers: elnux1.cs.umass.edu, elnux2.cs.umass.edu, elnux3.cs.umass.edu, elnux7.cs.umass.edu. If you have previously used your edlab account, your password should be the same. Otherwise, the initial password will be set to: ELxxxaaa where xxx=last 3 digits of student ID, aaa=1st 3 letters of username. (Please change it.)

   For additional help with edlab accounts or resources, please see this page: [http://www-edlab.cs.umass.edu](http://www-edlab.cs.umass.edu)

3. **SQLite first steps** SQLite is a simple embedded database which is running on the edlab machines as sqlite3. Please carry out the following commands after logging into any of the edlab servers.

   (a) Open the sample database created for this assignment:

   ```
   elnux1> sqlite3 /courses/cs400/cs445/cs445.f2010/sample/sample.db
   ```

   This will start the sqlite interpreter and give you an sqlite> prompt.

   (b) List the tables in the database:

   ```
   sqlite> .tables
   ```
(c) Look at the schema of the birthday table:
```
sqlite> .schema birthdays
```

(d) Add a tuple to the database based on YOUR personal information. Don’t forget the single quotes and the semi-colon at the end. Also, if you copy-and-paste this line of code, the single quotes may be interpreted wrong and cause an error.
```
sqlite> INSERT INTO birthdays VALUES ('John', 'Doe', 12, 31);
```

(e) Display the current tuples in the birthday table:
```
sqlite> SELECT * FROM birthdays;
```
You should see your record, in addition to the records of others that have completed the assignment before you.

(f) Quit sqlite:
```
sqlite> .quit
```