

Computer Science 361 – Spring 2014

Team Project – Phase 3

Due: Tuesday, 4/15/13 at 11:30AM in D2L

In this phase, you will first bulk load your database with data taken from the `cdai-data.csv` file. This file will have missing data, and the formats may not always be strictly followed. You should import this data into your database through some automated process. Document your process for doing this import in a README file. Provide a paragraph that describes the program or process you used for this bulk loading of the data. Then, dump all the tables in your database to a MySQL script file called `cdai.sql`.

After you have populated the database, create a file called `queries.sql` containing the following sample MySQL SQL queries, one for each scenario in the list below.

1. A query to display the average score for a specific criterion (identified by id such as A1F12C1) in a specific CDAI in a specific semester.
2. A query to display the average scores for all criteria in a specific CDAI in a specific semester (CDAI identified by id such as A1F12)
3. A query to display the average scores for all criteria in a specific CDAI (identified by id such as A1)
4. A query to display the average score over all criteria in a specific CDAI in a specific semester (CDAI identified by id such as A1F12)
5. A query to display the average score over all criteria for a specific CDAI (identified by id such as A1)
6. A query to identify the CDAI with the highest average score across all CDAs.
7. A query to identify the CDAI with the lowest average score across all CDAs.
8. A query to provide the average, lowest and highest CDAI scores, over all CDAI scores in each emphasis, grouped by emphasis. Include “undeclared” as its own category.
9. A query to display all the CDAI data (every criteria score earned by that student) for a student, identified by first name and last name.
10. A query to display the highest, lowest and average CDAI scores for a student (along with the CDAI ID), identified by first name and last name, over all CDAs taken by that student.

Submission

Submit, to the folder Phase3 on D2L, by the deadline specified, a zip file called `cdai.zip` containing the following:

1. Your `cdai.sql` file,
2. Your `queries.sql` file,

3. Your README file
4. A document describing any significant modifications to your relational schema DDL submitted in phase2.

The 10 queries described above should appear in your `queries.sql` file in their correct numeric order with each query/DM statement preceded by a comment of the form:

```
-- XX
```

where XX is the number of the query/DM statement.

If there is a query/DM statement you never got to work correctly, the comment should be of the form:

```
-- XX not working correctly
```

Such a query/DM statement that does not work should be entirely commented out. Your file must run without any syntax errors or I will assume that none of your query/DM statements work.

I will run your SQL files with the MySQL command `"source filename;"`.