

CS3380 - Lab Exercise 3

Goals:

1. Familiarize with MySQL
2. Create a table and load data.

Connecting to MySQL

From Babbage, issue the following command

```
$ mysql -p
```

Using MySQL

Once you are logged in to MySQL, you should always choose a working database. MySQL is a database management system, with the server providing access to hundreds of databases (all students in CS courses). You change your working database with the following command (where `mysql>` is the prompt and *pawprint* is your actual pawprint, or login id).

```
mysql> use pawprint
```

Creating some tables for our data

You will create and populate three tables in your database using the table descriptions on the board.

So the database table needs the following columns:

Movie (*mID*, title, year, director)

English: There is a movie with ID number *mID*, a *title*, a release *year*, and a *director*.

Reviewer (*rID*, name)

English: The reviewer with ID number *rID* has a certain *name*.

Rating (*rID*, *mID*, stars, ratingDate)

English: The reviewer *rID* gave the movie *mID* a number of *stars* rating (1-5) on a certain *ratingDate*.

1. Write a proper CREATE TABLE statement
CREATE TABLE Movie (

);

Attempt to execute some queries

The SQL SELECT statement is used for executing queries. For each query below, the format of the SELECT statement will be:

SELECT * FROM Movie WHERE ...

After the keyword WHERE, you will need to figure out which column needs to be restricted and what the correct restriction is. For example, for the query, “Which movies came out after 1950?” we would need to restrict the column “*year*” to only those rows with values greater than 1950.

SELECT * FROM Movie WHERE year > 1950;

Try your hand at the following queries:

2. Find the titles of all movies directed by Steven Spielberg

3. What reviewers have the letter ‘c’ in their name?

Bonus: Find the names of all reviewers who rated a movie lower than three stars.

Some Basic Commands of MySQL:

SHOW DATABASES	: to list available databases
USE <DATABASENAME>	: to use a particular database
SHOW TABLES	: to show tables in the current database
DESCRIBE <TABLENAME>	: show a column based descript of table
[Ctrl]-D	: to Logout

Turn in this lab sheet before the end of lab