Due Date: Friday, August 30, 2013 11:00 PM
Points: 20 points max
Turn In: The zipped file containing the script and spool files turned in via the assignment drop box

Getting Started Directions

Use the a_testbed database.

These tasks focus on how to write SQL statements, how to use the mysql command line client, and how to write a script and produce a spool file for an assignment. The primary purpose of this assignment is to check that you can use the software and create the script and spool file as required for the assignments I will give you the SQL for most of the tasks in this assignment.

Create a script file with the queries described in the various tasks listed below. Use the assignment script template posted on the download page as the basis for this script. Test your script. When it works correctly and follows the assignment guidelines, produce a spool file by running this script. The script filename must follow the pattern A01_yourLastName.SQL (substitute your last name in the file name) and the spool file will have the same name with an LST extension A01_yourLastName.LST .

Read your spool file before you submit the assignment. It should contain

- your name as a comment
- the use command to switch to the correct database
- Task 00 as provided in the template
- the task number for each task as a comment
- the sql query(queries) needed at each step
- the output for each step

The file names for the files to be turned in are important. I download all of the files into a local folder for grading. The download programs finds only file names that end with LST (that is the letter L not the digit 1) and SQL- so the filename extensions are significant. I also need your name in the file name. The case of the filename is not significant.

So what can possibly go wrong with the filenames?

- You turn in files with the name A01.txt and A01.1st-- I do not even get those files- wrong filename extension
- You turn in files with the name A01.sql and A01.lst-- I do not know who did these files.
- There are two people in class with the same last name. You can check the participants listing in Insight and if you have the same last name as another student, please use the naming pattern A01_yourLastName_yourFirstName.SQL .

I will deduct points if the filenames are incorrect (this includes any variation such as A1_Wilson.sql or Wilson_1.sql or Wilson_sql_1.sql or Wilson.sql or Wilson_sql_A1. I have gotten names like these and worse!)

Remember to include the task number as a comment at each step. These comments are in the template.

Read your spool file before you turn it in. Does it show the task numbers, the SQL and the result for each query? If not, correct the script file and rerun the spool before you turn it in.

For this assignment only, I will grade files as they are posted in Insight so you should check Insight in the early evening the day after you have posted this assignment. . If there are any significant errors, you will have a chance to resubmit this by 2013-08-26 noon for full credit (for this assignment only) - but only if the original submission meets the original due date.

Review the General Assignment Rules to see that your work is meeting the assignment guidelines.

For most assignments you will not have as long a set of directions but you may need all of these to get started.

Preliminary Tasks- these steps are NOT in the A01 script

These are tasks you need to do before you run the script. Generally these tasks will include steps that you do only once- such as creating tables and inserting the original rows of data that I provide.

- Create the a_testbed database if you have not done so already.
- Switch to the a_testbed database.
- Copy and run the SQL statement to create the table zoo from the demo for unit 01.
- Copy and run the Insert statements to insert the 8 rows of data that I have provided in the demo for unit 01.

General Directions

Use the a_testbed database and the zoo table.
In A01, I will give you the sql for most of the steps. You need to copy and run it.

Tasks

At the top of the script file, you should have a comment with your name followed by the commands to switch to the database.

```
use a_testbed;
```

Task 01: Copy and run the following two SQL statements. The first will remove any rows from the zoo table where the z_id value is greater than 100 and the second will show the rows in the table. At this point you should have the original eight rows that I supplied. The rows I provided have a z_id value less than 100 and will not be deleted.

```
delete
from zoo
where z_id > 100;

select *
from zoo;
```

Task 02: (3 insert statements) Add an additional 3 rows to the table. For the animal id, use an animal id value **that is greater than 100.** Include a time component- other than midnight for the animal dob value. For the rest of the data, use any data values you want. Post the sql for these 3 inserts to the Insight forum named A01_inserts.

Task 03: (6 insert statements) Copy and run at least 6 good inserts from the Insight forum named A01_inserts. The more rows you have in your table, the better for experimenting with it. You cannot complete this step until some other people have already done their inserts.

Task 04: Copy and run the following SQL statement. It will display the rows in the table.

```
select z_id, z_name, z_type, z_cost, z_dob, z_acquired
from zoo;
```

Task 05: Write and run the SQL statement so that it shows only three columns: the type of animal in the first column, the animal's name in the second column and the cost in the third column (I am sure you can figure out how to do this.)

Task 06: We want to see the data sorted by the animal type with a secondary sort on the name. Display the type of animal in the first column, the animal's name in the second column.

For the last two tasks, I am asking you to display some data **about** your tables and databases. The other queries asked you to show data that is **in** your table.

Task 07: Give the descr command for this table

```
desc zoo;
```

Task 08: Give the show tables command; this displays the names of the tables in your current database.

```
show tables;
```