Due Date: Thursday 2013-06-13 11:00 p.m. You should work towards turning the assignment in by this date. This will be accepted without penalty until
Sunday 2013-06-16 11:00 p.m.
BUT: A02 is also due Sunday 2013-06-16 11:00 p.m.
Points: 40 points max
Turn In: The zipped file containing the script and spool files.

Getting Started Directions

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 using the mysql command process. 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 ask you to write a few queries using sorting and Distinct.

Read the document on "creating assignments" for some of the details for assignments.

The file name patterns for this assignment are:A01_yourLastName.SQL, A01_yourLastName.LST, and A01_yourLastName.ZIP or A01_yourLastName.RAR

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 may have a chance to resubmit this by the due date.

Preliminary Tasks

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. (This should not be in the script you turn in for grading.)
- Copy and run the Insert statements to insert the 8 rows of data that I have provided in the demo for unit 01. (This should not be in the script you turn in for grading.)

General Directions

Use the a_testbed database and the zoo table.
In A01, I will give you the sql for some of the steps; other steps you provide.

Tasks

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. The rows you insert in Tasks 02 and 03 should have id values greater than 100 and should 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.** For the dob value, include a time component- other than midnight. 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 cost in the in the second column and the animal's name in the third column. Sort the rows by the animal name.

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.

Task 07: We want to see the different names of animals in the zoo. Display only the animal name attribute and display only one row for each animal name.

Task 08: We want to see the different combinations of animal types and names.
Suppose your table has 4 rows for lions.

```
202   lion  Leo
203   lion  Leona
456   lion  Buster
489   lion  Leona
```

For Task 8, there would be three rows in the displays for the lions.

```
lion  Leo
lion  Leona
lion  Buster
```

THE END