Due Date: Saturday, September14, 2013 11:00 PM
Points: 40 points max
Turn In: The zipped file containing the script and spool files

General Directions

This assignment uses the tables associated with the vets database. These tasks focus on the use of expressions in the Select clause and the use of the Where clause
Review the General Assignment Rules as required.

There are some specific rules for this assignment.
1) For this assignment the term **"reptile"** is defined as the animal types: snake, chelonian, crocodilian, and lizard; the term **"rodent"** is defined as the animal types: hamster, capybara, porcupine and dormouse.
2) An animal that does not have a name is still an animal; if the name is null then just display the system default for a null.
3) Each query uses only a single table
4) Because I want you to focus on the use of specific operators, for this assignment you may use only the following operators in the Where clause.
   - Is Null
   - Is Not Null
   - In (*list*)
   - Not In (*list*)
   - Between exp1 and exp2
   - Direct comparisons

Specifically you may not use any of the following operators in this assignment: And, Or , Like. If you use any of those operators in a query, you will receive no points for that task.

5) If a sample display is provided, use that to determine the column order and column aliases to use in your result set. The sample data will not generally match the data in your tables. Do not try to match the column widths of the sample displays shown here.

Tasks

Task 01:   The vet wants a list of all of the **different** places where our clients live. Display the different postal codes, cities and states for our customers. This is a single column. Format the column as shown here; there is a colon and a space after the postal code and a space after the city.

```
Sample rows only
+-------------------------+
| Location                |
+-------------------------+
| 71601: Big Rock AR      |
| 58503: Big Rock ND      |
| 45502: Springfield OH   |
| 10006: New York NY      |
```

Task 02:   Show the client id and first and last name for all clients from San Francisco California. Remember that you are allowed to use only the stated operators in the Where clause.

Task 03:   Show the client first and last name and phone number; skip all clients who do not have a value for the phone number. The display should be sorted by the client id.

Task 04: Display the first name and last name and id of each staff person who is either a vet or a vet assistant. Consult the table for the literals used for these job titles.

Task 05: The vet wants to consider increasing the list price for all services by 10 %. Display the service id, service, type, description, list price and proposed price for all services. Use the column aliases displayed in the sample result set. Sort by the type of service and by the id within the type.

```
Sample rows only
+------------+--------------+----------------------+------------+------------+
| Service ID | Service Type | Description          | Curr Price | Incr Price |
+------------+--------------+----------------------+------------+------------+
|        225 | medicine     | Feline PCR Series    |      75.00 |    82.5000 |
|        551 | medicine     | First Feline PCR     |      35.50 |    39.0500 |
|        748 | medicine     | Preds-liver          |      29.50 |    32.4500 |
|        749 | medicine     | Preds-chicken        |      29.50 |    32.4500 |
|       1002 | medicine     | Scaly Mite Powder    |      25.00 |    27.5000 |
|        104 | office visit  | Routine Exam-Reptile |      60.00 |    66.0000 |
|        105 | office visit  | Routine Exam-Canine  |      80.00 |    88.0000 |
+------------+--------------+----------------------+------------+------------+
```

Task 06: Display the client id, the animal id and the animal name for rodents. Sort by the client id with the animal id as the second sort key.

```
 Sample rows only
+-------+-------+---------+
| cl_id | an_id | an_name |
+-------+-------+---------+
|  1825 | 16002 | Fritz   |
|  1825 | 21005 | Koshka  |
|  1825 | 21006 | Koshka  |
```

Task 07: The vet wants a list of client ids for clients who have one or more reptiles. Display the client id and the animal type for these clients. The vet does not care how many animals the clients have, only the types. Sort by the client id.

```
Sample rows only
+-------+-----------+
| cl_id | an_type   |
+-------+-----------+
|  4534 | snake     |
|  5699 | chelonian |
|  5699 | lizard    |
|  5699 | snake     |
|  7152 | lizard    |
```

Task 08: Display the client id, animal id, name, and the date of birth for each animal that is neither a rodent nor a reptile. Sort the rows by the date of birth with the youngest animals first. For a query like this, you might want to display the animal type while you build and test it; but for the version you turn in for grading, show only the column indicated.

```
Sample rows only
+-------+-------+----------------+------------+
| cl_id | an_id | an_name        | an_dob     |
+-------+-------+----------------+------------+
|  1852 | 21318 | Waldrom        | 2011-06-11 |
|  1852 | 21317 | Manfried       | 2011-06-11 |
```

```
|  4534 | 11025 | NULL              | 2010-02-01 |
|   411 | 21001 | Yoggie            | 2009-05-22 |
```

Task 09:   Show the exam id, service id and fee charged of all services performed which were charged at a fee between $35 and $50. Order by the service id.

Task 10:   Display the id and name of all animals born in the year 2000, 2001, 2002, 2003, 2004 or 2005. This is a two column display. Remember you may not use functions for this assignment.