Due Date: February 10, 2016 11:00 PM **Points:** 35 point max

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. Read the document on the Vets tables for definitions of terms such as 'reptile' or 'rodent'. The document on each database is part of the assignment.

There are some specific rules for this assignment.

1) Each query uses only a single table
2) If a task uses the English word "between"- it is the inclusive SQL key word Between.
3) 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
   - Direction comparisons: =, !=, >, >=, <, <=

Specifically you may not use the Like operator or logical operators. If you use any of those operators in a query, you will receive no points for that task.

4) Do not use the Group by clause; we have not yet discussed this in the notes.
5) Remember, 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 clients who live in California or Nevada.
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.

```
+-------------------------+
| Location                |
+-------------------------+
| 59006: Carson City CA   |
| 51555: Desparado CA     |
| 51579: Sunny Valley CA  |
+-------------------------+
```

Task 02: 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 03: Display the service id of any services that were actually used(charged for) on an exam which were charged at a fee of $75 or more. Display each service id only once.

Task 04: Display the full name (first name and last name in one column) and the id people and job title of all staff who do not have a job title of vet or vet assnt. This is three columns. See the sample run.

```
+---------------------+--------+---------------+
| staff               | stf_id | stf_job_title |
+---------------------+--------+---------------+
| Shirley Horn        |     20 | clerical      |
| Pat Stan Turrentine |    101 | kennel        |
+---------------------+--------+---------------+
```

Task 05: The vet wants to consider increasing the list price for all services except office visits by 15 %. Display the service id, service, type, description, list price and proposed price for all services (other than office visits). Use the column aliases displayed in the sample result set. Sort by the service id.

```
+------------+--------------+------------------------------+------------+------------+
| Service ID | Service Type | Description                  | Curr Price | Incr Price |
+------------+--------------+------------------------------+------------+------------+
|        101 | treatment    | Dental Cleaning-Canine       |      50.00 |    57.5000 |
|        102 | treatment    | Dental Cleaning-Feline       |      45.00 |    51.7500 |
|        106 | treatment    | Routine Exam-Bird            |      75.00 |    86.2500 |
|        110 | treatment    | Dental Cleaning-Other        |     100.00 |   115.0000 |
|        225 | medicine     | Feline PCR Series            |      75.00 |    86.2500 |
|        400 | treatment    | Hazardous Materials Disposal |      10.50 |    12.0750 |
```

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.

```
+-------+-------+-----------+
| cl_id | an_id | an_name   |
+-------+-------+-----------+
|  1825 | 16002 | Fritz     |
|  1825 | 21005 | Koshka    |
|  1825 | 21006 | Koshka    |
|  3560 | 12038 | Gutsy     |
```

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 client id and types. Sort by the client id.

```
+-------+-----------+
| cl_id | an_type   |
+-------+-----------+
|  2800 | lizard    |
|  2956 | chelonian |
|  2956 | lizard    |
|  2956 | snake     |
```

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.

```
+--------+-------+-----------------+------------+
| cl_id  | an_id | an_name         | an_dob     |
+--------+-------+-----------------+------------+
|   5689 | 21205 | Manfried        | 2015-03-30 |
|   1852 | 21320 | Morris          | 2014-06-11 |
|   1852 | 21321 | Morton          | 2014-06-03 |
|   1825 | 16003 | Ursula          | 2013-02-06 |
|   4534 | 11025 | NULL            | 2012-02-01 |
```