Due Date: Feb 04, 2015 11:00 PM (Late date Feb 05, 11:00 pm) Points: 30 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.

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) If a task uses the English word between- it is the inclusive word between.
5) 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

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.

6) 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: Display the animal id for each animal who has an exam record. We do not care how many exams the animal might have. Display each animal id only once.

Task 02: 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.

```
+-------------------------+
| Location                |
+-------------------------+
| 71601: Big Rock AR      |
| 58503: Big Rock ND      |
| 10006: New York NY      |
```

Task 03: Display the client id and animal id for all animals that are missing a name.

Task 04: The vet needs a list of services and the tax he should change on these services. use a tax rate of 10% Do not include office visits in the display since they are not taxed. Display the columns shown and the column aliases as in the sample display. Sort by the id.

```
+------------+-------------+------------+----------+
| Service ID | Service Type | Curr Price | Tax Amnt |
+------------+-------------+------------+----------+
|        101 | treatment    |      50.00 |   5.000 |
|        106 | treatment    |      75.00 |   7.500 |
|        110 | treatment    |     100.00 |  10.000 |
|        225 | medicine     |      78.30 |   7.830 |
```

Task 05: Show the exam id, service id and fee charged of all services performed which were charged at a fee between $15.00 and $22.50. Order by the service id.

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 | 56002 | Fritz   |
|  1825 | 51005 | Koshka  |
|  1825 | 51006 | 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.

```
+-------+-----------+
| 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.

```
+-------+-------+-----------------+------------+
| 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 |
```