

Due Date: Jan 28, 2015 11:00 PM (Late date Jan 29, 11:00 pm)

Points: 30 point max

Preliminary Tasks. These steps are NOT to be included in the script

Create the database a_vets and the tables for the vets series of tables first. Download and run the SQL to create and populate the tables for vets. These tables will be used for the next few assignments.

Create the data base using the instructions in unit 01.

Be certain that your account has access to that database

Download the zip file I posted for the vets database and unzip it.

There are two scripts files. Open the create script first and run it. Then open the populate/inserts script and run it.

It is easiest to run these from a command prompt like you do your assignment scripts.

People who use copy and paste for these scripts often miss a line or two in the script or create tables in different orders and that does not work. Run the create and populate scripts as scripts. Be certain to create the database first.

You can then use the show tables command from within the client to verify that the tables were created.

Do not include the sql that I give you to create and populate the tables in the script you turn in for grading. **There is a 10 point penalty if you include the create or the populate/insert sql in your script/spool.**

General Directions

This assignment uses the tables associated with the vets database. Consult the document for the Vets database to see the tables to use. Do not use the zoo_2015 table in this assignment.

These tasks focus on the use of the Select clause and the Order by clause with **single** table From clauses.

Pay attention to the tables to be used for each query and the columns to be displayed. Display the columns in the order listed in the task description. For each, if I say "Display the exam id and the fee charged for each service performed on an exam", your query should display two columns- the first will be the exam id and the second column will be the fee charged. For some queries I may give you a sample display which shows the column aliases to be used. The sample data display might not match the values in your tables.

Remember to read your spool file and check it against the General Assignment Rules.

Tasks

The sample display does not always show the data in your current tables.

Task 01: For each row in the animals table, display the animal type followed by the animal name and the animal id. Order by the animal name.

```
+-----+-----+-----+
| an_type | an_name | an_id |
+-----+-----+-----+
| bird    | NULL    | 11025 |
| bird    | NULL    | 11029 |
| cat     | Etta    | 21316 |
| porcupine | Fritz   | 16002 |
| porcupine | Fritzchen | 17002 |
| snake   | Kenny   | 11015 |
| dormouse | Koshka  | 21005 |
| hamster | Koshka  | 21006 |
| olinguito | Morris  | 21320 |
```

Task 02: The exam headers table has a row for each animal exam. Display the exam date with an alias of "Exam Date" and the id of the animal seen with an alias of "Animal ID". Display the data with the most recent exams first.

Exam Date	Animal ID
2014-04-01 16:30:00	16003
2014-03-15 10:45:00	17026
2014-02-25 14:30:00	16002
2014-02-25 10:45:00	17025
2014-02-17 10:45:00	16002
2014-01-09 09:00:00	15001
2014-01-08 15:30:00	16002
2014-01-08 13:00:00	15002

Task 03: The vet wants to see a list of the different types of animals we currently have registered with the clinic. Display the animal types from the animals table. Suppress any duplicates.

Task 04: Display the exam id and the fee charged for each service performed on an exam. Order by the exam id and then by the fee.

Exam ID	Fee_Charged
3288	25.00
3288	30.00
3288	45.00
3304	25.00
3304	25.00

Task 05: For each row in the services table, display the service type and description. The rows should be sorted by the service type and list price.

srv_type	srv_desc
medicine	Third Feline PCR
medicine	Second Feline PCR
medicine	Scaly Mite Powder
office visit	Routine Exam-Reptile
office visit	Routine Exam-Small Mammal
treatment	General Anesthesia 1 hour
treatment	Feline Behaviour Modification Consultation
treatment	Tooth extraction Level 1

Task 06: The vet wants a list of the different locations for the clients. The display will include the client state in the first column and city in the second column and will not include duplicate rows. Sort the result by state and city.

Task 07: Display the job title and first and last name of each staff person. Use the alias as shown in the sample display. Display the result sorted by the last and first names.

Job Desc	First Name	Last Name
vet assnt	Sandy	Helfen
vet assnt	Sandy	Helfen
clerical	Shirley	Horn
vet	Rhoda	Wabich
vet	Marcin	Wasilewski
vet assnt	Brenda	Webster

Task 08: For each exam, display the id of the staff person who did the exam followed by the animal id, and the exam date. Display the rows in order by the staff id; use the exam date as the second sort key with the most recent exams first.

an_id	ex_date	stf_id
16003	2014-06-10 10:30:00	15
15401	2014-06-06 10:30:00	15
16003	2014-05-23 08:30:00	15
15001	2014-04-22 09:00:00	25
15001	2014-01-09 09:00:00	25
15002	2014-06-10 10:45:00	29
17025	2014-04-30 14:30:00	29