

Due Date: Friday, September 6, 2013 11:00 PM
Points: 40 points max
Turn In: The zipped file containing the script and spool files turned in via the assignment drop box

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 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. Review the General Assignment Rules as required.

Preliminary Tasks

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 you 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 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 sql in your script/spool.

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

Tasks

Task 01: For each row in the staff table, display the first name and last name of each staff person and their job title.

Sample rows only

stf_name_first	stf_name_last	stf_job_title
Eliza	Dolittle	vet
Shirley	Horn	clerical
Bridgette	Wilkommen	vet

Task 02: For each row in the staff pay table display the hire date and salary amount. Sort the data by hire date with the most recently hired persons displayed first.

Task 03: Display the animal id with a column alias of ID, the animal name with a column alias of "Name", the animal type with the column alias "Animal Type", and the birth date with a column alias of "Birth Date" for each animal. Display the data with the oldest animals first.

ID	Name	Animal Type	Birth Date
12035	Mr Peanut	bird	1995-02-28
21002	Edger	hedgehog	2002-10-02
11029	NULL	bird	2005-10-01
15165	Burgess	dog	2005-11-20

Task 04: 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 05: Sort the services table by description and display all of the data in the table.

Task 06: For each service that the vet is willing to provide, display the id, price, and description. Display the most expensive services first.

Sample rows only

srv_id	srv_list_price	srv_desc
605	535.00	Tooth extraction Level 1
4601	275.00	Feline Behaviour Modification Consultation
625	155.00	CBC and scan
604	109.00	Dental Scaling
603	78.00	Feline Dental X_ray

Task 07: 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.

Sample rows only

Exam_ID	Fee_Charged
1992	45.00
1993	29.50
1994	30.00
1994	55.00
1997	0.00
1997	30.00

Task 08: Display the animal name and type values from the animals table. Suppress any duplicates. Sort the display in order by the type as the first sort key and the name as the second sort key.

Task 09: For each exam, display the animal id, the exam date and the id of the staff person who did the exam. Display the rows in order by the staff id; use the exam date as the second sort key with the most recent exams first.

Sample rows only

an_id	ex_date	stf_id
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+	-----	+	-----	+	-----	+
	21003		2011-11-26 09:30:00		15	
	19845		2011-11-22 09:00:00		15	
	15001		2011-12-22 09:00:00		25	
	15001		2011-11-09 09:00:00		25	
	17027		2012-02-25 10:45:00		29	

Task 10: 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 set by state and city.