

Due Date: Sunday 2013-06-16 11:00 p.m.
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 a_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 with **single** table From clauses and the material discussed in unit 02.

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 database using the instructions in unit 01.

Be certain that your account has access to that database

Download the zip file I posted for the a_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 concatenated first name and last name of each staff person and their job title. Display these sorted by last name as the first sort key and first name as the second sort key.

Sample rows only

stf_name	stf_job_title
Eliza Dolittle	vet
Shirley Horn	clerical
Tom Horn	vet

Task 02: For each row in the staff pay table display the hire date and salary amount; for the third column display the salary amount with a 12 % raise. Use the column alias "WithRaise" for the third column. 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. Limit the display to 10 rows.

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: 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 05: Display the exam id and the fee charged for each service performed on an exam. In the third column display the tax charged for that item, assuming that we have a tax rate of 9.5%. In the fourth column display the amount of the fee plus tax. Order by the exam id and then by the fee. Limit the display to 10 rows.

Sample rows only

Exam_ID	Fee_Charged	Tax_Charged	Total_Due
1982	50.00	47.5000	97.5000
1982	60.00	57.0000	117.0000
2014	30.00	28.5000	58.5000
2020	80.00	76.0000	156.0000
2021	50.00	47.5000	97.5000
2052	2.25	2.1375	4.3875
3001	25.00	23.7500	48.7500
3010	25.00	23.7500	48.7500
3086	275.00	261.2500	536.2500

Task 06: 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 oldest exams first.

Sample rows only

an_id	ex_date	stf_id
21005	2012-07-31 13:00:00	15

	15001		2013-01-02 13:00:00		15	
	15002		2013-01-02 13:00:00		15	
	15001		2011-12-09 09:00:00		25	
	15001		2011-12-22 09:00:00		25	
	16002		2011-12-23 12:15:00		29	
	16002		2012-01-03 14:30:00		29	
	16002		2012-01-06 10:45:00		29	

Task 07: The vet wants a list of the different locations for the clients. We will define location as city and state. 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.

THE END