

Due Date: Sep 1, 2015 11:00 PM (Late date Sep 2, 11:00 pm)

Points: 35 point max

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

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

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

Upload the two script files to your Oracle account. Then run these scripts as you would other Oracle scripts- from within SQL\*Plus.

There are two scripts files. First run the create script and then the populate/inserts script.

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.

You can use the last two commands from A01 to see the names of your tables and the columns in the tables.

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 tables 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 staff table, display the first name and last name of each staff person and their job title.

STF_NAME_FIRST	STF_NAME_LAST	STF_JOB_TITLE
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Marcin	Wasilewski	vet
Eliza	Dolittle	vet
Shirley	Horn	clerical

**Task 02:** 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 "BirthDate" for each animal. Display the data with the oldest animals first.

ID	Name	Animal Type	BirthDate
-----	-----	-----	-----
12035	Mr Peanut	bird	28-FEB-95
15401	Pinkie	lizard	15-MAR-98
21002	Edger	hedgehog	02-OCT-02
21003	Calvin Coolidge	dog	18-JUN-04
11029		bird	01-OCT-05
15165	Burgess	dog	20-NOV-05

**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:** 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.

**Task 05:** Display the exam id, the service id, and the fee charged for each service performed on an exam. Order by the exam id and then by the fee.(Don't forget to use the aliases shown in the sample display.)

EXAM_ID	SERVICE	FEE_CHARGED
3001	104	25
3010	104	25
3010	605	535
3104	613	47
3104	106	75

**Task 06:** Display the animal name and animal type and animal date of birth 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 07:** 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 earlier exams first. Use the data in the exam headers table. (Don't forget to use the aliases shown in the sample display.)

Animal	Exam Date	Staff
15401	06-NOV-14	15
17027	06-NOV-14	15
16003	10-NOV-14	15
19845	22-NOV-14	15
21001	23-NOV-14	15

**Task 08:** The vet wants a list of the different locations for the clients. For this task, the term location refers to the 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.