Zoo – Questions 4

The purpose of this assignment to understand simple SQL statements and answer questions based on the Zoo database schema.

Assignment Requirements

Run the Zoo database's "FULL_DATABASE_with_DROP" script to create the tables and insert data for these questions.

Questions

1. Find the smallest inventory amount, largest inventory max stock and average reorder point. Round the average to the nearest whole number.

2. List the average amount that a researcher receives for a bonus.

3. List the average amount paid by credit cards as AVG_CREDIT_PAY_AMOUNT and round the results to the nearest integer value.

4. List the amount of animals that belong to each gender.

5. List the city and total sum of salaries for every employee in that city.

6. List the product ID and the minimum inventory amount for each product ID.

7. How many food items are supplied by each supplier company?

8. List the department ID and the total employees in each of that department. Also, list the amount of employees that are not in a department.

9. How many different food items does each food supplier company supply? List the amount of items and the company name.

10. Find the number of food items each food supplier sells. Only list those that sell more than 40 types of items. List the supplier ID and the number of items.

11. List the average payment amount and pay type having an average pay amount greater than 500.

12. Select the product ID and the total amount of inventory each product has in all the warehouses combined if they have a total amount of at least 500. Order by their totals.

13. What zoo(s) have more than 10 keepers?

14. List the breed names of those breeds whose average height on arrival is greater than 20.

15.   List the animal name, gender, and breed of animals that arrived in July of any year.

16.   What is the name of the animal who had an illness that started on May 19, 2007 and ended Jun 3, 2007?

17.   List the first name, last name, and amount paid for the donators using credit cards.

18.   Select all the volunteer names and their phone number who are working in 'Security' department.

19.   List the name of the animal, the breed name and the description of the illness of animals that were acquired from Como Zoo with names that end with an 'n'.

20.   List the food item description, food price, food category description and food supplier company name where the price is less than $40.

21.   Select the first name, the last name, and maintenance title for the employees who work in the same department as the volunteer who started in March, 2010.

22.   List the company name, sponsor payment date, payment amount, the zoo donated to, and private event payment date from companies who donated more than 5000.

23.   List all researchers who received a research bonus. Display their first name, last name and bonus even if they did not receive a bonus.

24.   Select all products and their purchase and/or finish date (if they have one). Order your results by finish date within purchase date (purchase date will come first).

25.   Select all department names and all customer service employee first and last names. Order first by department name, then last name. Not all departments have an employee and not all employees have a department.

26.   List all employee first and last names for employees with last names beginning with 'M', as well as all office IDs and building names. Order results by office building in reverse alphabetical order. You should have some null values.

27.   What is the minimum, maximum and the range of product suggested prices? [Hint: Range = max - min]

28.   List the first name, last name, hire date, and salary for the lowest paid employee. (Use a subquery)

29.   Show the first names and last names of all donators whose payments were processed in January.

30.   How many days did it take to manufacture the product with the
    latest start date?

Submitting Assignment

Follow the Submission Guidelines on D2L to format your submission(s). **Name** the files using, LastnameFIZOO4 as part of the file name, e.g. WellsZOO4, and **drop** it in the Question 4 dropbox(s) on D2L.