

CSE 216 Database Online 1

Time: 20 mins

1. Write an SQL query to retrieve all last names of employees. Remove duplicates.
2. Display all locations in ascending order of POSTAL_CODE. Your final result should have only one column titled "Location", and each location should be printed in the following format: STREET_ADDRESS, CITY, STATE_PROVINCE, POSTAL_CODE. Discard all those locations where any of the required fields is not available.
3. Show every department_id and the number of employees in the department receiving commissions. Exclude departments where minimum salary is less than 5000. Exclude employees who do not belong to any department.
4. Display the full name (full name consists of <last name><comma><space><first name>; i.e. if first name is Cristiano and last name is Ronaldo then fullname is Ronaldo, Cristiano) of the employees whose last name starts with 'S'/'s'. Also show their current annual salary (consider commission percentage) and what their annual salary would be if they were given a 5% pay deduction. Consider no year-end commission for those employees whose commission percentage is not given. Your final result should have three columns: "Full Name", "Annual Salary", and "Deduced Salary".
5. Show department id, job id, the first hiring date, the last hiring date and average salary for each department and each job id. Show the outputs with average salary more than 6000. Make sure any sort of null value is not printed and order the result by department id.
6. Divide employees into two groups. (hard)
 - A. Those who have some commission, and
 - B. Those who do not have any commission.

Find the number of employees in each group. Result will contain only 2 columns and 2 rows. The first row shows the count of group A and the second row shows count of group B. Write a single SQL Query for generating this result.

HAS COMMISSION	COUNT
1	35
0	72