

Assignment

Write down the following queries based on the HR Schema. The tables are as follows:

1. Countries (country_id, country_name, region_id)
2. Locations (location_id, street_address, postal_code, city, state_province, country_id)
3. Departments (department_id, department_name, manager_id, location_id)
4. Employees (employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary, commission_pct, manager_id, department_id)
5. Job_history (employee_id, start_date, end_date, job_id, department_id)
6. Jobs (job_id, job_title, min_salary, max_salary)
7. Regions (region_id, region_name)

Find out the following Queries: (10x1 = 10)

1. For each employee, find the total number of employees those earn more salary than him/her and those earn less salary than him/her. Print employee last name, total employees who gets more salary than him/her, and total employees who gets less salary than him/her.
2. Find number of departments in 'United States of America'. You are not allowed to use join in this question. Use sub queries.
3. Find first name, hire date, salary and department of highest paid three (03) employees in each department.
4. Find employee id and salary of all employees except those employees who get minimum or maximum salary in each department.
5. Find the employees having salaries greater than at least three other employees.
6. For each employee, find his rank, i.e., position with respect to salary. The highest salaried employee should get rank 1 and lowest salaried employee should get the last rank. Employees with same salary should get same rank value. Print employee last names and his/her rank.
7. Find the last names and salaries of those employees whose salary is within $\pm 5k$ of the average salary of SALES department.
8. Find employee id and hire date of all employees except those employees who are hired on the first hiring date or on the last hiring date in each department.
9. Print the name of the employees whose first name starts with the same letter as the first letter of his/her manager's first name or whose last name starts with the same letter as the first letter of his/her manager's last name. For each of these employees, print his/her employee id, first name, last name, his/her manager's first name, last name.

10. For each country, print the country name and the number of employees currently working in that country.

Instructions:

- Write your queries in a .txt file. First write the question no. (e.g. 1., 2.) and then your query command. Answers should be enter separated.
- Name your .txt file the same as your roll no. **If you don't name it the same as your roll no. it won't be checked and you will get 0.**
- **Don't Copy. After the assignment deadline expires you will be quizzed about your assignment and failure to give satisfactory answer will result in -5.**
- You can surf online for syntax and function related issues, but you have to understand what you are using.
- Answers should be precisely correct. If it doesn't run correctly in phpMyAdmin then you won't get any partial marks.
- Deadline is set at 17/7/2019 Wednesday at 9:00pm. There is no provision for deadline extension and no submission will be taken after the deadline.