

Database Management Systems Lab

Lab#4

Marks:100

Instructions

Work on this lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

You're supposed to:

1. Write a query to count the total manger, and also count the total number of departments
2. Display the number of employees working on each Job.
3. Display the Average salary of each department in ascending order.
4. Write a query to find the minimum salary in each dept.
5. Write a query to find the maximum salary of employees working as analysts, clerks, managers, and salesman.
6. Write a query to sum the salary of each department, then of each manager # which is available.
7. Write a query to display all employees from emp table whose salary is less than 40000, and whose name starts with J.
8. Write a query to display the cartesian product of employee and dept table.
9. Write a query to join the employee table with dept and display records in alphabetical order.
10. Write a query to select all employees with their salary, and also display their project name with project duration.

11. Display that the employee / worker is working as i.e.: Programmer (Hint Please use an appropriate join)
12. Apply Right Outer Join to proj and asg tables.
13. Find all employees along with the name of their manager and display only those employees who have a manager, and sort the results by employee
14. Write a query to display the most senior employee hired in each department.
15. Write a query to display the fresh employee hiring in each department.

Instructions:

- Use Order by and Having clause where needed.
- User Appropriate joins
- You must know the concept of group by clause
- Understanding the query is part of the lab