

Assignment-4

Following SQL (DML) queries are based on Emp and Dept table:
[Use GROUP BY, HAVING, ORDER BY and different inbuilt functions]

1. Display empno, ename, sal in ascending order of salary from emp table.
2. List ename, sal, job and deptno in descending order of deptno and salary.
3. List ename, sal, PF, HRA, DA and GROSS in ascending order of Gross. [Here PF is 12% of sal, HRA is 15% of sal, DA is 90% of sal and GROSS is sum of sal, PF, HRA, DA]
4. List the maximum salary of employee working as a salesman.
5. List the average salary and no of employees working in dept 20.
6. Display deptno, no. of employees in each department.
7. List deptno, total salary payable in each department.
8. List jobs and the no of employees in each job in descending order of no. of employees.
9. List total, maximum, minimum and average salary of employee's job wise.
10. List the average salary for each job excluding manager.
11. List total, maximum, minimum and average salary of employee's job-wise for dept no. 20 only.
12. List average monthly salary for each job within department.
13. List average salary for all departments where more than 5 people are working.
14. List jobs of all employees where maximum salary is greater than or equal to 5000.
15. Display total, maximum, minimum and average salaries of employee's job-wise for department 20 and list only those rows having average salary greater than 1000.
16. Display total, maximum, minimum and average salaries of employee's job-wise for department 20 and list only those rows having average salary greater than 1000 and arrange the above output in descending order of total salary.
17. Calculates the average of the maximum salaries of all the departments from emp table.
18. Display the standard deviation (sd) of salary for each job type having sd >0 from emp table.
19. Count no. of employees whose commission is greater than 300.
20. Display sum of commission for each department after substituting 100 in commission if it is NULL and order the result in descending order of department.
21. Display no. of manager present in employee table.
22. List of employee names and commissions, substituting "Not Applicable" if the employee receives no commission for those whose name has contained a "M" and order this result as descending order of name.
23. List names, salary and commission of employees whose name has contained a "M" when the income of some employees is made up of salary plus commission, or just salary, depending on whether the comm column of employees is null or not and order the result as ascending order of name.
24. Display the name of the employee where first character of each name is capital one.
25. Select the substring of 3 characters long starting from 2nd character of job type from emp table when job is 'SALESMAN'.