

DBMS LAB

Assignment No. – 6

➤ *Consider the EMP and DEPT tables created in Assignment No. - 2 to perform the following:*

A. Write SQL statements for the following queries using subquery:

1. Display the name of employees who earn maximum salary.
2. Display the name of employees who earn maximum salary and job is salesman.
3. Display the departments whose average salary is maximal.
4. Display the name of employees whose salary is more than 'TURNER'.
5. Display the name of employees who joined after 'ALLEN'.
6. Display the name of the department in which 'FORD' works.
7. Display the name of the city in which 'SMITH' works.
8. List names of employees who are not managers.
9. List the names of employees who work in 'Research' department and have joined before 30th July, 2007.
10. Retrieve the second highest salary from EMP table.
11. Find the name of the second highest paid employee(s).
12. Retrieve the fifth highest salary from EMP table.
13. Enlist top five paid employees.
14. List the employees who earn more than every employee in 'DALLAS'.
15. Display the name of the departments that has no employee.
16. List the name of the employees who joined in the same date of 'ADAMS'.
17. Display the name of the departments that get commission.
18. List the employees who earn the lowest salary in their respective department.

B. Write SQL statements for the following queries without using any subquery:

1. Display the manager number and the salary of the lowest paid employee for that manager. Exclude anyone whose manager is not known. Exclude any group where the minimum salary is less than \$1,000. Sort the output in descending order of salary.
2. Write a query to display the department name, location name, number of employees, and the average salary for all employees in that department.
3. Display the employee name and employee number along with their manager's name and manager's number including King who has no manager. Label the columns EMPLOYEE, EMP#, MANAGER, MGR# respectively.
4. Write a query that will display the difference between the highest and lowest salaries. Label the column a DIFFERENCE.
5. Write a query that will display the difference between the highest and lowest salaries for each department. Label the column a DIFF.
6. Display the employee's names and hire dates along with their manager's names and hire dates for all employees who were hired before their managers. Label the columns EMPLOYEE, EMP HIREDATE, MANAGER and MGR HIREDATE respectively.