

# RDBMS LAB [CA4] Program 4 Query

Q1) Management wants to know the maximum salary of all the employees for each deptno., & display only if max salary in descending order.

SQL) ~~select~~ select max(sal), deptno  
2 from emp  
3 group by deptno  
4 having max(sal) > 2800  
5 order by max(sal) desc;

MAX(SAL)	DEPTNO
5000	10
3000	20
2850	30

Q2) . Q2) to display the Employee name, sal, comm, calculate total salary, annual salary, for the employee, sort annual sal in ascending order.

① SQL) select ename, sal, comm, (sal+comm) as "Total Sal", (sal+comm)\*12 as "Annual Sal"  
 2 from emp  
 3 order by "Annual Sal";

ENAME	SAL	COMM	Total Sal	Annual Sal
TURNER	1500	0	1500	18000
WARD	1250	500	1750	21000
ALLEN	1600	300	1900	22800
MARTIN	1250	1400	2650	31800
SCOTT	3000		3000	
KING	5000		5000	
ADAMS	1100		1100	
JAMES	950		950	
FORD	3000		3000	
MILLER	1300		1300	
BLAKE	2850		2850	
JONES	2975		2975	
SMITH	800		800	
CLARK	2450		2450	

14 rows selected.

Q3) WAP to display the list of employee working under which manager.

Ⓐ SQL: select ename || 'works for the manager no' ||  
2 mgr  
from emp;

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ENAME || 'WORKSFORTHEMANAGERNO' || MGR
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SMITH works for the manager no 7902
ALLEN works for the manager no 7698
WARD works for the manager no 7698
JONES works for the manager no 7839
MARTIN works for the manager no 7698
BLAKE works for the manager no 7839
CLARK works for the manager no 7839
SCOTT works for the manager no 7566
KING works for the manager no
TURNER works for the manager no 7698
ADAMS works for the manager no 7788
JAMES works for the manager no 7698
FORD works for the manager no 7566
MILLER works for the manager no 7782

14 rows selected.
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Q4) Q4) to display name and salary in dollars and prefix left white space of salary by special character by and employees belongs to the deptno 20, 30 who is working as salesman and clerk.

SQL) select ename, lpad(sal, 10, '\*') sal, deptno, job  
 2. from emp  
 3. where deptno in (20, 30) and job in ('SALESMAN', 'CLERK');

ENAME	SAL	DEPTNO	JOB
SMITH	*****800	20	CLERK
ALLEN	*****1600	30	SALESMAN
WARD	*****1250	30	SALESMAN
MARTIN	*****1250	30	SALESMAN
TURNER	*****1500	30	SALESMAN
ADAMS	*****1100	20	CLERK
JAMES	*****950	30	CLERK

7 rows selected.

Q5) W3AQ to find the sum of salary for each department  
display only sum of the salary should not be  
equal to 5000.

① SQL

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select deptno, sum(sal)
  from emp
 group by deptno
 having sum(sal) != 5000;
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DEPTNO	SUM(SAL)
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30	9400
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20	10875
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10	8750
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