RDBMS LAB [CIA Final]

— Programs & Querys —

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

SQL)

```
  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). WAQ to display the employee name, Sal, comm, if calculate total salary, annual salary, for the employee, sort annual sal in ascending order.

(A) SQL) select ename, sal, comm, (sal+nvl(comm,0) 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) 1OAQ to display the list of employee working under which manager.

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

```
ENAME||'WORKSFORTHEMANAGERNO'||MGR
-------------------------------------------------------------
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.
```

Q4) WAP to display ename and salary in dollars and prefix left white space of salary by special character by and employees belongs to the deptno 20 & 30 also is working as salesman and clerk.

A) SQL) select ename, lpad (sal, 10, '*') sal, deptno, job
2 from emp
3 where deptno in (20, 30) and job in ('SALE SMAN', '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) WAQ to find the sum of salary for each department,
display only sum of the salary should not be
equal to 5000.

(A) SQL> Select deptno, sum(sal)
2   from emp
3   group by deptno
4   having sum(sal)!= 5000;

```
DEPTNO    SUM(SAL)
-------   ---------
    30         9400
    20        10875
    10         8750
```