Complex Queries

1) WRITE A SQL STATEMENT TO DISPLAY THE LOWEST PAID EMPLOYEE'S (NAME , SALARY , DEPARTMENT NAME)

ENAME	SAL	DNAME
SMITH	800	RESEARCH

2) LIST MINIMUM SALARY FOR EACH DEPARTMENT

DEPTNO	MIN(SAL)
10	1300
20	800
30	950

3) WRITE A QUERY BASED ON FOLLOWING RESULT.

EMPNO	ENAME	JOB	SAL	DEPTNO	DNAME
7369	SMITH	CLERK	800	20	RESEARCH
7900	JAMES	CLERK	950	30	SALES
7934	MILLER	CLERK	1300	10	ACCOUNTING

4) LIST ALL THE EMPLOYEES WHO ARE WORKING IN FORD'S DEPARTMENT.

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
7369	SMITH	CLERK	7902	17-Dec-00	800	20
7566	JONES	MANAGER	7839	02-Apr-01	2975	20
7788	SCOTT	ANALYST	7566	19-Apr-07	3000	20
7876	ADAMS	CLERK	7788	23-May-07	1100	20
7902	FORD	ANALYST	7566	03-Dec-01	3000	20

5) LIST ALL EMPLOYEE WHO ARE WORKING IN WARD'S DEPARTMENT AND EARNING MORE THEN MARTIN

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
7369	SMITH	CLERK	7902	17-Dec-00	800	20
7566	JONES	MANAGER	7839	02-Apr-01	2975	20
7788	SCOTT	ANALYST	7566	19-Apr-07	3000	20

6) DISPLAY EMPLOYEE NUMBER, NAME,DEPT NUMBER, DEPT NAME, AND LOCATION

EMPNO	ENAME	DEPTNO	DNAME	LOC
7369	SMITH	20	RESEARCH	DALLAS
7499	ALLEN	30	SALES	CHICAGO
7521	WARD	30	SALES	CHICAGO
7566	JONES	20	RESEARCH	DALLAS
7654	MARTIN	30	SALES	CHICAGO
7698	BLAKE	30	SALES	CHICAGO
7782	CLARK	10	ACCOUNTING	NEW YORK
7788	SCOTT	20	RESEARCH	DALLAS
7839	KING	10	ACCOUNTING	NEW YORK
7844	TURNER	30	SALES	CHICAGO
7876	ADAMS	20	RESEARCH	DALLAS
7900	JAMES	30	SALES	CHICAGO
7902	FORD	20	RESEARCH	DALLAS
7934	MILLER	10	ACCOUNTING	NEW YORK

7) DISPLAY THE FOLLOWING RESULT

DEPTNO	DNAME	ENAME
10	ACCOUNTING	CLARK
10	ACCOUNTING	KING
10	ACCOUNTING	MILLER
20	RESEARCH	JONES
20	RESEARCH	FORD
20	RESEARCH	ADAMS
20	RESEARCH	SMITH
20	RESEARCH	SCOTT
30	SALES	WARD
30	SALES	TURNER
30	SALES	ALLEN
30	SALES	JAMES
30	SALES	BLAKE
30	SALES	MARTIN

8) LIST ALL THE EMPLOYEE WHO ARE WORKING IN NEW YORK

ENAME	DEPTNO	DNAME	LOC
CLARK	10	ACCOUNTING	NEW YORK
KING	10	ACCOUNTING	NEW YORK
MILLER	10	ACCOUNTING	NEW YORK

9) WRITE A SQL STATEMENT TO DISPLAY THE LOWEST PAID EMPLOYEE'S (NAME , SALARY , DEPARTMENT NAME) IN THE RESPECTIVE DEPARTMENT.

ENAME	MIN(SAL)	DNAME
SMITH	800	RESEARCH
JAMES	950	SALES
MILLER	1300	ACCOUNTING

10) WRITE A SQL STATEMENT TO DISPLAY THE HIGHEST PAID EMPLOYEE'S (NAME, JOB, MANAGER NAME, SALARY AND DEPARTMENT NAME AND DEPARTMENT NO.) IN THE RESPECTIVE DEPARTMENT.

EMPNO	JOB	MGR	MAX(SAL)	DNAME
7698	MANAGER	7839	2850	SALES
7788	ANALYST	7566	3000	RESEARCH
7839	PRESIDENT		5000	ACCOUNTING
7902	ANALYST	7566	3000	RESEARCH

11) WRITE A SQL STATEMENT TO DISPLAY THE EMPLOYEE NAME (BOSS) AND NUMBER OF EMPLOYEE (SUBORDINATES) DIRECTLY REPORTING TO HIM?

BOSS	SUBORDINATES
JONES	2
FORD	1
CLARK	1
SCOTT	1
BLAKE	5
KING	3

12) DISPLAY THE NAMES, DESIGNATION AND SALARIES OF ALL EMPLOYEES WHO HAVE MANAGER ALONG WITH MANAGER'S NAME, DESIGNATION AND MANAGER'S SALARY.
(SELF-JOIN)

13) CREATE THE FOLLOWING TABLES:
    ORDER: {ID, ORDERDATE, ORDERNUMBER}
    ORDER_ITEM: {ID, ORDERID, PRODUCTID, UNITPRICE, QUANTITY}
    PRODUCT: {ID, PRODUCTNAME}
    WRITE A QUERY TO DISPLAY THE FOLLOWING OUTPUT SORTED BY ORDER NO:

ORDER_NO	ORDER_DATE	PRODUCT_NAME	QUANTITY	UNIT_PRICE
7369	7/4/2012 12:00:00 AM	EASY-TRADING	800	20
7900	2/10/2011 12:00:00 AM	BANK-ANYWHERE	950	30
7934	9/23/2015 12:00:00 AM	TRIP-MANAGER	1300	10

14) FIND THE 2ND MINIMUM SALARY OF THE EMPLOYEE.
15) FIND THE MAX 3 SALARIES FROM EMPLOYEE TABLE.
16) DISPLAY COMMON RECORDS FROM EMP_1 & EMP_2 TABLES. (USE INTERSECT)
17) DISPLAY DEPARTMENT NO WISE TOTAL SALARY WHERE MORE THAN 2 EMPLOYEES EXIST IN A DEPARTMENT.