Queries for EMP DB

Group by

1. List all aggregates on salary columns for each department excluding dept 10.

**SELECT AVG(SAL),MIN(SAL),MAX(SAL),COUNT(SAL) FROM EMP WHERE NOT DEPTNO=10;**

1. List departments where number of employees are more than 4

**SELECT DEPTNO,COUNT(EMPNO) FROM EMP GROUP BY DEPTNO HAVING COUNT(EMPNO)>4**

1. Display jobs with average salary greater than 2000. Order on average salary.

**SELECT JOB,AVG(SAL) FROM EMP GROUP BY JOB ORDER BY AVG(SAL)**

1. List how many employees are there under each manager.

**SELECT MGR,COUNT(EMPNO) FROM EMP GROUP BY MGR**

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 groups where the minimum salary is $800 or less. Sort the output in descending order of salary.

**SELECT MGR,MIN(SAL) FROM EMP GROUP BY MGR**

**SELECT MGR,MIN(SAL) FROM EMP GROUP BY MGR HAVING MIN(SAL)>800 ORDER BY MIN(SAL) DESC;**

**FINAL= SELECT MGR,MIN(SAL) FROM EMP WHERE MGR IS NOT NULL GROUP BY MGR HAVING MIN(SAL)>800 ORDER BY MIN(SAL) DESC;**

SUBQUERIES

1. List employees who are directly reporting to KING

**SELECT ENAME,MGR FROM EMP WHERE MGR =(SELECT EMPNO FROM EMP WHERE ENAME= 'KING')**

1. List department with maximum average salary.

**SELECT DEPTNO,AVG(SAL) FROM EMP GROUP BY DEPTNO HAVING AVG(SAL)=(SELECT (MAX(AVG(SAL))) AS A FROM EMP GROUP BY DEPTNO)**

1. Find employees who earn highest salary in each job type.

**SELECT ENAME,JOB,SAL FROM EMP WHERE SAL IN (SELECT MAX(SAL) FROM EMP GROUP BY JOB)**

1. List departments for which no employees exists.

**SELECT ENAME,DEPTNO FROM EMP WHERE ENAME IN (SELECT ENAME FROM EMP WHERE EMPNO IS NULL)**