1. 아래와 같이 DEPT Table,EMP Table을 참조하여 직원이 존재하지 않은 부서(DEPTNO) 관련 정보가 하시요.

( not exists, not in, outer join 을 이용하여 3개 작성)

**not exists 사용**

select DEPTNO,DNAME,LOC

from DEPT

where not exists(select \* from EMP where DEPT.DEPTNO=EMP.DEPTNO);

**not in 사용**

select DEPTNO,DNAME,LOC

from DEPT

where DEPTNO not in(select EMP.DEPTNO from EMP);

**outer join 사용**

select DEPT.DEPTNO,

DNAME,

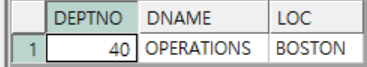
LOC

from DEPT,

EMP

where DEPT.DEPTNO = EMP.DEPTNO(+)

and EMP.DEPTNO is null



2. 아래와 같이 EMP Table의 상급자(MGR)의 이름이 조회되도록 하시요.

단 JOB이 PRESIDENT,MANAGER,SALESMAN,ANALYST,CLERK 순으로 조회되도록 하시요.

select a.EMPNO,

a.ENAME,

a.JOB,

a.MGR,

case

when b.EMPNO in(7839) then ('KING')

when b.EMPNO in(7782) then ('CLARK')

when b.EMPNO in(7698) then ('JONES')

when b.EMPNO in(7566) then ('BLAKE')

when b.EMPNO in(7521) then ('MARTIN')

when b.EMPNO in(7654) then ('TURNER')

when b.EMPNO in(7844) then ('WARD')

when b.EMPNO in(7499) then ('ALLEN')

when b.EMPNO in(7788) then ('FORD')

when b.EMPNO in(7902) then ('SCOTT')

when b.EMPNO in(7876) then ('MILLER')

when b.EMPNO in(7900) then ('ADAMS')

when b.EMPNO in(7369) then ('SMITH')

when b.EMPNO in(7934) then ('JAMES')

else null

end as "MGR\_NAME"

from EMP a,

EMP b

where b.EMPNO(+)=a.MGR

order by

case

when JOB in ('PRESIDENT') then 0

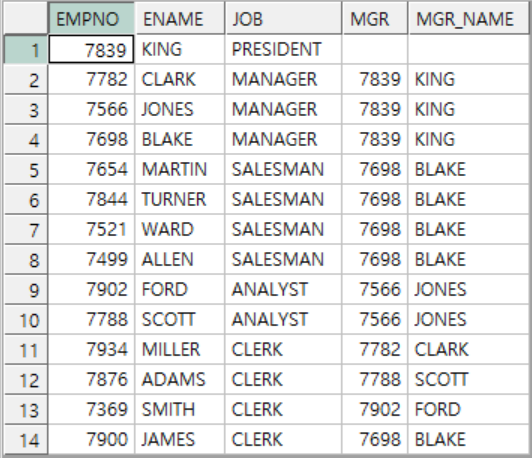
when JOB in('MANAGER') then 1

when JOB in('SALESMAN') then 2

when JOB in('ANALYST') then 3

else 4

end



3. 아래와 같이 SALGRADE Table ,EMP Table을 참조하여 GRADE별 몇 명인지 조회하는 SQL을 작성하시요.

select GRADE,

count(GRADE)PER\_GRADE\_COUNT

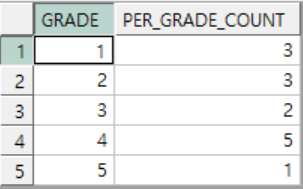
from SALGRADE,

EMP

where SAL between LOSAL and HISAL

group by GRADE

order by GRADE



4. 부서 평균 급여 미만인 직원에 대해 부서 평균 급여의 10% 해당하는 급여를 인상하는 Update 문을 작성하시요.

UPDATE EMPLEE e1

SET e1.SAL = e1.SAL+(select round(avg(sal))\*0.1

from EMPLEE e2)

WHERE e1.SAL < (SELECT AVG(e2.SAL)

FROM EMPLEE e2

WHERE e2.DEPTNO=e1.DEPTNO) ;