6장, 7장 SQL 쿼리 수정사항

SQL 쿼리 수정사항

◆ **p. 221   Q8**

```
SELECT E.Fname, E.Lname, S.Fname, S.Lname
FROM   EMPLOYEE E, EMPLOYEE S
WHERE  E.Super_ssn = S.Ssn;
```

◆ **p. 221   Q1A**

```
SELECT Fname, EMPLOYEE.Lname, Address
FROM EMPLOYEE, DEPARTMENT
WHERE DEPARTMENT.Dname = 'Research'
AND DEPARTMENT.Dnumber = EMPLOYEE.Dno;
```

SQL 쿼리 수정사항

◆ **p. 222　Q1B**

```
SELECT E.Fname, E.Lname, E.Address
FROM EMPLOYEE E, DEPARTMENT D
WHERE D.Dname = 'Research'
AND D.Dnumber = E.Dno;
```

◆ **p. 225　Q4A**

```
SELECT DISTINCT Pnumber
FROM     PROJECT, DEPARTMENT, EMPLOYEE
WHERE    Dnum=Dnumber AND Mgr_ssn=Ssn AND Lname='Smith'
UNION
SELECT DISTINCT Pnumber
FROM     PROJECT, WORKS_ON, EMPLOYEE
WHERE    Pnumber=Pno AND Essn=Ssn AND Lname='Smith';
```

SQL 쿼리 수정사항

◆ **p. 226   Q12**

```
SELECT Fname, Lname
FROM EMPLOYEE
WHERE Address LIKE '%Houston,TX%';
```

◆ **p. 226   Q12A**

```
SELECT Fname, Lname
FROM EMPLOYEE
WHERE Bdate LIKE '5_____';
```

◆ **p. 226   Q13**

```
SELECT E.Fname, E.Lname, 1.1 * E.Salary AS Increased_sal
FROM    EMPLOYEE E, WORKS_ON W, PROJECT P
WHERE   E.Ssn=W.Essn AND W.Pno=P.Pnumber AND P.Pname='ProductX';
```

SQL 쿼리 수정사항

◆ **p. 227 Q15**

```
SELECT D.Dname, E.Lname, E.Fname, P.Pname
FROM    DEPARTMENT D, EMPLOYEE E, WORKS_ON W, PROJECT P
WHERE   D.Dnumber=E.Dno AND E.Ssn=W.Essn AND W.Pno = P.Pnumber
ORDER BY D.Dname, E.Lname, E.Fname;
```

◆ **p. 241 Q16**

```
SELECT E.Fname, E.Lname
FROM EMPLOYEE E
WHERE E.Ssn IN (SELECT E.Ssn
                FROM    DEPENDENT D
                WHERE   E.Fname = D.Dependent_name
                        AND E.Sex = D.Sex);
```

◆ **p. 242   Q16A**

```
SELECT  E.Fname, E.Lname
FROM    EMPLOYEE E, dependent D
WHERE   E.Ssn = D.Essn AND E.Sex=D.Sex
        AND E.Fname = D.Dependent_name;
```

◆ **p. 242   Q16B**

```
SELECT  E.Fname,E.Lname
FROM    EMPLOYEE E
WHERE EXISTS (SELECT *
              FROM    DEPENDENT D
              WHERE   E.Ssn=D.Essn AND
                      E.Sex=D.Sex AND
                      E.Fname=D.dependent_name);
```

SQL 쿼리 수정사항

◆ **p. 243   Q3A**

```
SELECT Fname, Lname
FROM EMPLOYEE
WHERE NOT EXISTS ((SELECT Pnumber
                   FROM    PROJECT
                   WHERE   Dnum = 5)
                   MINUS (SELECT Pno
                          FROM    WORKS_ON
                          WHERE   Ssn=Essn));
```

◆ **p. 245   Q8A**

```
SELECT E.Lname AS Employee_name, S.Lname AS Supervisor_name
FROM    EMPLOYEE E, EMPLOYEE S
WHERE   E.Super_ssn=S.Ssn;
```

SQL 쿼리 수정사항

◆ **p. 245 Q1B**

```
SELECT  FNAME, Lname,Address
FROM    EMPLOYEE NATURAL JOIN (SELECT dname, dnumber AS dno, mgr_ssn AS mssn, mgr_start_date AS msdate
                                FROM department) DEPT
WHERE   DNAME='Research';
```

◆ **p. 246 Q8B**

```
SELECT E.Lname AS EMPLOYEE_name,
       S.Lname AS Supervisor_name
FROM   (EMPLOYEE E LEFT OUTER JOIN EMPLOYEE S
       ON E.Super_ssn=S.Ssn);
```

SQL 쿼리 수정사항

◆ **p. 246   Q8C**

```
SELECT E.Lname, S.Lname
FROM EMPLOYEE E, EMPLOYEE S
WHERE E.Super_Ssn = S.Ssn(+);
```

◆ **p. 252   Q28'**

```
WITH    BIGDEPTS (Dno) AS (SELECT   Dno
                           FROM EMPLOYEE
                           GROUP BY Dno
                           HAVING   COUNT (*) > 1)
SELECT e.Dno, COUNT (*)
FROM   EMPLOYEE e, BIGDEPTS b
WHERE  Salary>40000 AND e.Dno IN b.Dno
GROUP BY e.Dno;
```

SQL 쿼리 수정사항

◆ **p. 253　Q29**

```
SELECT Super_Ssn, Ssn
FROM    EMPLOYEE
START WITH Super_Ssn IS NULL
CONNECT BY PRIOR Ssn = Super_Ssn
ORDER SIBLINGS BY super_Ssn ASC;
```

SQL 쿼리

◆ **p. 221   Q1'**

```
Q1':    SELECT      EMPLOYEE.Fname, EMPLOYEE.LName,
                    EMPLOYEE.Address
        FROM        EMPLOYEE, DEPARTMENT
        WHERE       DEPARTMENT.DName = 'Research' AND
                    DEPARTMENT.Dnumber = EMPLOYEE.Dno;
```

◆ **p. 227   Q14**

```
Q14:    SELECT      *
        FROM        EMPLOYEE
        WHERE       (Salary BETWEEN 30000 AND 40000) AND Dno = 5;
```

SQL 쿼리

◆ **p. 242　Q6**

```
Q6:    SELECT    Fname, Lname
       FROM      EMPLOYEE
       WHERE     NOT EXISTS ( SELECT    *
                              FROM      DEPENDENT
                              WHERE     Ssn = Essn );
```

◆ **p. 248　Q23**

```
Q23:   SELECT    COUNT (DISTINCT Salary)
       FROM      EMPLOYEE;
```

SQL 쿼리

◆ **p. 248 Q5**

```
Q5:     SELECT    Lname, Fname
        FROM      EMPLOYEE
        WHERE     ( SELECT     COUNT (*)
                    FROM       DEPENDENT
                    WHERE      Ssn = Essn ) >= 2;
```

◆ **p. 251 Q27**

```
Q27:    SELECT    Pnumber, Pname, COUNT (*)
        FROM      PROJECT, WORKS_ON, EMPLOYEE
        WHERE     Pnumber = Pno AND Ssn = Essn AND Dno = 5
        GROUP BY  Pnumber, Pname;
```