

<10장>

이후 진행하는 문제는 다음 SQL문을 실행하여 EMP, DEPT, SALGRADE 테이블을 복사한 테이블로 진행하세요. 다음 SQL문을 한 번에 한 문장씩 실행하세요.

```
CREATE TABLE CHAP10HW_EMP AS SELECT * FROM EMP;
```

```
CREATE TABLE CHAP10HW_DEPT AS SELECT * FROM DEPT;
```

```
CREATE TABLE CHAP10HW_SALGRADE AS SELECT * FROM SALGRADE;
```

1. 오른쪽과 같이 CHAP10HW_DEPT 테이블에 50, 60, 70, 80번 부서를 등록하는 SQL문을 작성하세요.

```
INSERT INTO CHAP10HW_DEPT (DEPTNO, DNAME, LOC)
```

```
VALUES (50, 'ORACLE', 'BUSAN');
```

```
INSERT INTO CHAP10HW_DEPT (DEPTNO, DNAME, LOC)
```

```
VALUES (60, 'SQL', 'ILSAN');
```

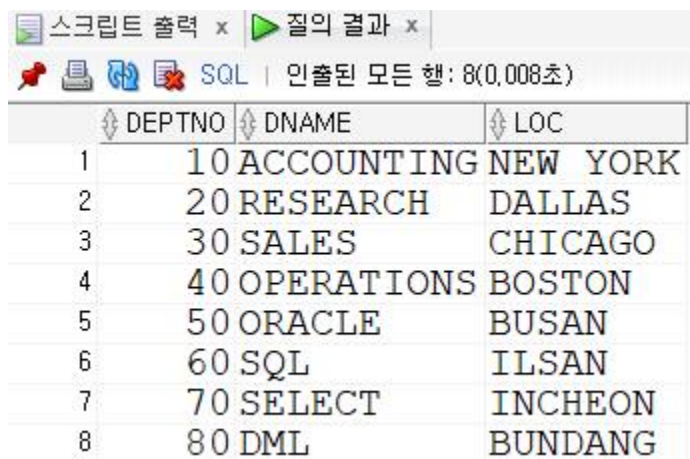
```
INSERT INTO CHAP10HW_DEPT (DEPTNO, DNAME, LOC)
```

```
VALUES (70, 'SELECT', 'INCHEON');
```

```
INSERT INTO CHAP10HW_DEPT (DEPTNO, DNAME, LOC)
```

```
VALUES (80, 'DML', 'BUNDANG');
```

```
SELECT * FROM CHAP10HW_DEPT;
```



	DEPTNO	DNAME	LOC
1	10	ACCOUNTING	NEW YORK
2	20	RESEARCH	DALLAS
3	30	SALES	CHICAGO
4	40	OPERATIONS	BOSTON
5	50	ORACLE	BUSAN
6	60	SQL	ILSAN
7	70	SELECT	INCHEON
8	80	DML	BUNDANG

2. 다음과 같이 CHAP10HW_EMP 테이블에 다음 8명의 사원 정보를 등록하는 SQL문을 작성하세요.

```
INSERT INTO CHAP10HW_EMP
```

```
VALUES(7201, 'TEST_USER1', 'MANAGER', '7788', '2016/01/02', 4500, '', 50);
```

```
INSERT INTO CHAP10HW_EMP
```

```
VALUES(7202, 'TEST_USER2', 'CLERK', '7201', '2016/02/21', 1800, '', 50);
```

```
INSERT INTO CHAP10HW_EMP
```

```
VALUES(7203, 'TEST_USER3', 'ANALYST', '7201', '2016/04/11', 3400, '', 60);
```

```
INSERT INTO CHAP10HW_EMP
```

```
VALUES(7204, 'TEST_USER4', 'SALESMAN', '7201', '2016/05/31', 2700, 300, 60);
```

```

INSERT INTO CHAP10HW_EMP
VALUES(7205, 'TEST_USER5', 'CLERK', '7201', '2016/07/20', 2600, '', 70);
INSERT INTO CHAP10HW_EMP
VALUES(7206, 'TEST_USER6', 'CLERK', '7201', '2016/09/08', 2600, '', 70);
INSERT INTO CHAP10HW_EMP
VALUES(7207, 'TEST_USER7', 'LECTURER', '7201', '2016/10/28', 2300, '', 80);
INSERT INTO CHAP10HW_EMP
VALUES(7208, 'TEST_USER8', 'STUDENT', '7201', '2018/03/09', 1200, '', 80);
SELECT * FROM CHAP10HW_EMP;

```

스크립트 출력 x | 실행 결과 x

SQL | 인출된 모든 행: 20(0.001초)

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	1980/12/17	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	1981/02/20	1600	300	30
3	7521	WARD	SALESMAN	7698	1981/02/22	1250	500	30
4	7566	JONES	MANAGER	7839	1981/04/02	2975	(null)	20
5	7654	MARTIN	SALESMAN	7698	1981/09/28	1250	1400	30
6	7698	BLAKE	MANAGER	7839	1981/05/01	2850	(null)	30
7	7782	CLARK	MANAGER	7839	1981/06/09	2450	(null)	10
8	7839	KING	PRESIDENT	(null)	1981/11/17	5000	(null)	10
9	7844	TURNER	SALESMAN	7698	1981/09/08	1500	0	30
10	7900	JAMES	CLERK	7698	1981/12/03	950	(null)	30
11	7902	FORD	ANALYST	7566	1981/12/03	3000	(null)	20
12	7934	MILLER	CLERK	7782	1982/01/23	1300	(null)	10
13	7201	TEST_USER1	MANAGER	7788	2016/01/02	4500	(null)	50
14	7202	TEST_USER2	CLERK	7201	2016/02/21	1800	(null)	50
15	7203	TEST_USER3	ANALYST	7201	2016/04/11	3400	(null)	60
16	7204	TEST_USER4	SALESMAN	7201	2016/05/31	2700	300	60
17	7205	TEST_USER5	CLERK	7201	2016/07/20	2600	(null)	70
18	7206	TEST_USER6	CLERK	7201	2016/09/08	2600	(null)	70
19	7207	TEST_USER7	LECTURER	7201	2016/10/28	2300	(null)	80
20	7208	TEST_USER8	STUDENT	7201	2018/03/09	1200	(null)	80

3. CHAP10HW_EMP에 속한 사원 중 50번 부서에서 근무하는 사원들의 평균 급여보다 많은 급여를 받고 있는 사원들을 70번 부서로 옮기는 SQL문을 작성하세요(다음 화면은 부서 이동 후의 CHAP10HW_EMP 테이블을 조회한 것입니다.)

```

UPDATE CHAP10HW_EMP
SET DEPTNO = 70
WHERE SAL > (SELECT AVG(SAL) FROM CHAP10HW_EMP WHERE DEPTNO = 50);

SELECT * FROM CHAP10HW_EMP ORDER BY DEPTNO ASC;

```


EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369 SMITH	CLERK	7902	1980/12/17	800	(null)	20
2	7499 ALLEN	SALESMAN	7698	1981/02/20	1600	300	30
3	7521 WARD	SALESMAN	7698	1981/02/22	1250	500	30
4	7566 JONES	MANAGER	7839	1981/04/02	2975	(null)	20
5	7654 MARTIN	SALESMAN	7698	1981/09/28	1250	1400	30
6	7698 BLAKE	MANAGER	7839	1981/05/01	2850	(null)	30
7	7782 CLARK	MANAGER	7839	1981/06/09	2450	(null)	10
8	7839 KING	PRESIDENT	(null)	1981/11/17	5000	(null)	70
9	7844 TURNER	SALESMAN	7698	1981/09/08	1500	0	30
10	7900 JAMES	CLERK	7698	1981/12/03	950	(null)	30
11	7902 FORD	ANALYST	7566	1981/12/03	3000	(null)	20
12	7934 MILLER	CLERK	7782	1982/01/23	1300	(null)	10
13	7201 TEST USER1	MANAGER	7788	2016/01/02	4500	(null)	70
14	7202 TEST USER2	CLERK	7201	2016/02/21	1800	(null)	50
15	7203 TEST USER3	ANALYST	7201	2016/04/11	3400	(null)	70
16	7204 TEST USER4	SALESMAN	7201	2016/05/31	2700	300	60
17	7205 TEST USER5	CLERK	7201	2016/07/20	2600	(null)	70
18	7206 TEST USER6	CLERK	7201	2016/09/08	2600	(null)	70
19	7207 TEST USER7	LECTURER	7201	2016/10/28	2300	(null)	80
20	7208 TEST USER8	STUDENT	7201	2018/03/09	1200	(null)	80

4. CHAP10HW_EMP에 속한 사원 중, 60번의 부서 사원 중에 입사일이 가장 빠른 사원보다 늦게 입사한 사원의 급여를 10%인상하고 80번 부서로 옮기는 SQL문을 작성하세요.(다음 화면은 급여 인상, 부서 이동 이후 CHAP10HW_EMP 테이블을 조회한 것입니다.)

```
UPDATE CHAP10HW_EMP
SET SAL = SAL * 1.1, DEPTNO = 80
WHERE HIREDATE > (SELECT MIN(HIREDATE) FROM CHAP10HW_EMP WHERE DEPTNO = 60);
```

스크립트 출력 x

질의 결과 x

SQL

인출된 모든 행: 20(0,001초)

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	1980/12/17	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	1981/02/20	1600	300	30
3	7521	WARD	SALESMAN	7698	1981/02/22	1250	500	30
4	7566	JONES	MANAGER	7839	1981/04/02	2975	(null)	20
5	7654	MARTIN	SALESMAN	7698	1981/09/28	1250	1400	30
6	7698	BLAKE	MANAGER	7839	1981/05/01	2850	(null)	30
7	7782	CLARK	MANAGER	7839	1981/06/09	2450	(null)	10
8	7839	KING	PRESIDENT	(null)	1981/11/17	5000	(null)	70
9	7844	TURNER	SALESMAN	7698	1981/09/08	1500	0	30
10	7900	JAMES	CLERK	7698	1981/12/03	950	(null)	30
11	7902	FORD	ANALYST	7566	1981/12/03	3000	(null)	20
12	7934	MILLER	CLERK	7782	1982/01/23	1300	(null)	10
13	7201	TEST USER1	MANAGER	7788	2016/01/02	4500	(null)	70
14	7202	TEST USER2	CLERK	7201	2016/02/21	1800	(null)	50
15	7203	TEST USER3	ANALYST	7201	2016/04/11	3400	(null)	70
16	7204	TEST USER4	SALESMAN	7201	2016/05/31	2700	300	60
17	7205	TEST USER5	CLERK	7201	2016/07/20	2860	(null)	80
18	7206	TEST USER6	CLERK	7201	2016/09/08	2860	(null)	80
19	7207	TEST USER7	LECTURER	7201	2016/10/28	2530	(null)	80
20	7208	TEST USER8	STUDENT	7201	2018/03/09	1320	(null)	80

5. CHAP10HW_EMP에 속한 사원 중, 급여 등급이 5인 사원을 삭제하는 SQL문을 작성하세요.(다음 화면은 사원이 삭제된 후에 CHAP10HW_EMP 테이블을 조회한 것입니다.)

```
DELETE FROM CHAP10HW_EMP
WHERE EMPNO IN (SELECT E.EMPNO
                FROM CHAP10HW_EMP E, CHAP10HW_SALGRADE S
                WHERE E.SAL BETWEEN S.LOSAL AND S.HISAL
                AND S.GRADE = 5);
```


	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	1980/12/17	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	1981/02/20	1600	300	30
3	7521	WARD	SALESMAN	7698	1981/02/22	1250	500	30
4	7566	JONES	MANAGER	7839	1981/04/02	2975	(null)	20
5	7654	MARTIN	SALESMAN	7698	1981/09/28	1250	1400	30
6	7698	BLAKE	MANAGER	7839	1981/05/01	2850	(null)	30
7	7782	CLARK	MANAGER	7839	1981/06/09	2450	(null)	10
8	7844	TURNER	SALESMAN	7698	1981/09/08	1500	0	30
9	7900	JAMES	CLERK	7698	1981/12/03	950	(null)	30
10	7902	FORD	ANALYST	7566	1981/12/03	3000	(null)	20
11	7934	MILLER	CLERK	7782	1982/01/23	1300	(null)	10
12	7202	TEST USER2	CLERK	7201	2016/02/21	1800	(null)	50
13	7204	TEST USER4	SALESMAN	7201	2016/05/31	2700	300	60
14	7205	TEST USER5	CLERK	7201	2016/07/20	2860	(null)	80
15	7206	TEST USER6	CLERK	7201	2016/09/08	2860	(null)	80
16	7207	TEST USER7	LECTURER	7201	2016/10/28	2530	(null)	80
17	7208	TEST USER8	STUDENT	7201	2018/03/09	1320	(null)	80