

# REPORT



제 목 : 데이터베이스기초 7장 실습과제 #1

과 목 명 : 데이터베이스기초

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제 출 일 : 2019. 04. 12



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1. 다음과 같은 컬럼을 갖는 테이블 student 를 생성하시오. 자료형은 각자 알아서 한다)

```
emp student x
1 create table student
2 (
3   sid INT,
4   sname VARCHAR(100), major VARCHAR(100), gender VARCHAR(1) default 'M',
5   reg_order INT, lastchg timestamp(6), primary key (sid)
6 );
```

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Result Grid Filter Rows: Edit: Export/Import: Wrap

	sid	sname	major	gender	reg_order	lastchg
*	NULL	NULL	NULL	NULL	NULL	NULL

2. 4명의 학생 정보를 입력하시오 (남학생 2명, 여학생 2명)

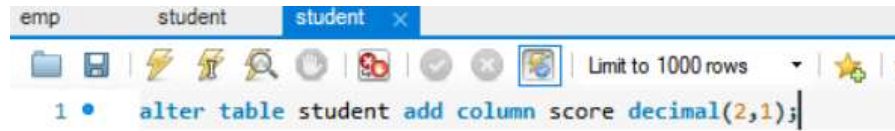
```
emp student student x
1 • insert into student (sid,sname,major,gender)
2 values ( '32161111', '조정민', '소프트웨어과', 'M'),
3 ( '32141112', '박민혁', '응용컴퓨터학과', 'F'),
4 ( '32151113', '이상민', '모바일시스템공학과', 'F'),
5 ( '32151114', '방승환', '화학공학과', 'M');
```

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Result Grid Filter Rows: Edit: Export/Impc

	sid	sname	major	gender	reg_order	lastchg
▶	32141112	박민혁	응용컴퓨터학과	F	NULL	NULL
	32151113	이상민	모바일시스템공학과	F	NULL	NULL
	32151114	방승환	화학공학과	M	NULL	NULL
	32161111	조정민	소프트웨어과	M	NULL	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL

3. student 테이블에 score (학점) 컬럼을 추가하시오

[illegible]

4. student 테이블에서 reg\_order 를 admit\_order 로 변경하시오.

[illegible]

5. 남학생들의 학점은 2.5 로 여학생들의 학점은 3.0 으로 입력하시오 (두 개의 SQL문 필요)

emp student student x

Limit to 1000 rows

```

1
2 • update student
3   set score=2.5
4   where gender='M';
5 • update student
6   set score=3.0
7   where gender='F';

```

Result Grid

	sid	sname	major	gender	admit_order	lastchg	score
▶	32141112	박민혁	응용컴퓨터학과	F	NULL	NULL	3.0
	32151113	이상민	모바일시스템공학과	F	NULL	NULL	3.0
	32151114	방승환	화학공학과	M	NULL	NULL	2.5
	32161111	조정민	소프트웨어과	M	NULL	NULL	2.5
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

6. 급여가 가장 많은 사원의 급여를 10% 줄여서 저장하시오.

emp emp x

Limit to 1000 rows

```

1 • update emp
2   set sal = sal * 0.9
3   where sal = (select * from(select max(sal) from emp)ast);

```

Result Grid

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
	7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
	7839	KING	PRESIDENT	NULL	1981-11-17	4500.00	NULL	10
	7844	TURNER	SALESMAN	7698	1981-08-08	1500.00	0.00	30
	7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
	7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
	7902	FOOD	ANALYST	7566	1981-12-03	3000.00	NULL	20

7. 근무지가 'BOSTON' 인 직원에게 보너스(comm)를 급여의 50% 수준 으로 지급하도록 입력하시오.

```
emp  emp
Limit to 1000 rows
1  update emp
2  set comm=comm*1.5
3  where comm=(select*from(select comm from emp e, dept d where e.deptno=d.deptno and loc='boston')abc);
```

8. 입사년도가 1980 년도인 직원들의 급여를 5000 씩 올리시오

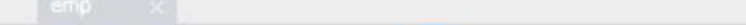
```
emp  emp
Limit to 1000 rows
1  update emp
2  set sal=sal+5000
3  where sal=(select*from(select sal from emp where hiredate>='1980-1-1' and hiredate<='1980-12-31')abc);
```

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Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: [F5](#)

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	5800.00	NULL	20

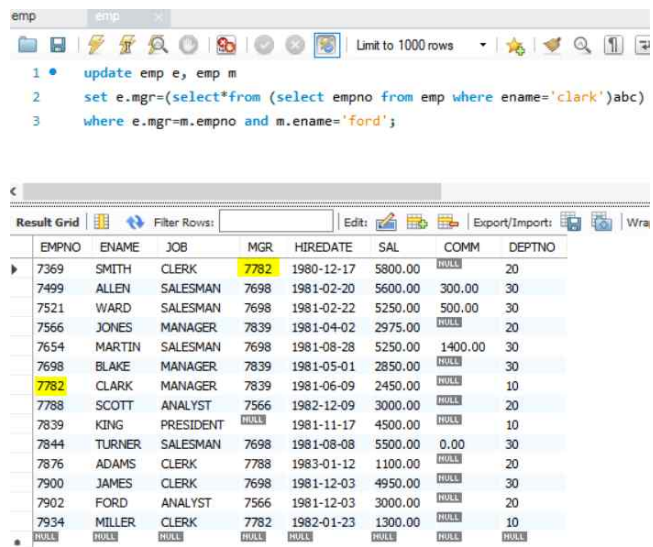
9. BLAKE 의 부하직원들의 급여를 4000 씩 올리시오



```
1 • update emp e, emp m
2 set e.sal=e.sal+4000
3 where e.mgr=m.empno and m.ename='blake';
```

[illegible]

10. 매니저가 FORD 인 사원들의 매니저를 CLARK 로 고치시오



The screenshot shows a database management tool interface. At the top, there is a tab labeled 'emp'. Below the tab, there is a toolbar with various icons and a 'Limit to 1000 rows' dropdown. The main area displays an SQL update query:

```
1 • update emp e, emp m
2   set e.mgr=(select*from (select empno from emp where ename='clark')abc)
3   where e.mgr=m.empno and m.ename='ford';
```

Below the query, there is a 'Result Grid' section. It contains a table with the following columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. The table lists 14 employees. The MGR column for the first 10 employees (SMITH through FORD) is highlighted in yellow, indicating they are the results of the update query. The MGR value for these 10 employees is 7782, which is the EMPNO of CLARK. The MGR value for CLARK (EMPNO 7782) is 7566, which is the EMPNO of SCOTT. The MGR value for SCOTT (EMPNO 7788) is 7566, which is the EMPNO of SCOTT. The MGR value for KING (EMPNO 7839) is NULL. The MGR value for TURNER (EMPNO 7844) is 7698, which is the EMPNO of BLAKE. The MGR value for ADAMS (EMPNO 7876) is 7788, which is the EMPNO of SCOTT. The MGR value for JAMES (EMPNO 7900) is 7698, which is the EMPNO of BLAKE. The MGR value for FORD (EMPNO 7902) is 7566, which is the EMPNO of SCOTT. The MGR value for MILLER (EMPNO 7934) is 7782, which is the EMPNO of CLARK. The MGR value for the last row (EMPNO 7934) is NULL.

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7782	1980-12-17	5800.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	5600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	5250.00	500.00	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7654	MARTIN	SALESMAN	7698	1981-08-28	5250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	4500.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-08-08	5500.00	0.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	4950.00	NULL	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10