데이터베이스 과제1
2071035 이소민

01. 02. 실행 직후 화면과 *'SELECT * FROM 테이블'*을 했을 때 출력된 결과를 캡쳐.(01~04번)

```
CREATE TABLE DEPARTMENTLSM (
        DEPTNO INT NOT NULL,
    DEPTNAME CHAR(10),
    FLOOR INT,
    PRIMARY KEY(DEPTNO)
);

CREATE TABLE EMPLOYEELSM (
        EMPNO INT NOT NULL,
    EMPNAME CHAR(10),
    TITLE CHAR(10),
    MANAGER INT,
    SALARY INT,
    HIREDATE DATE,
    DNO INT,
    PRIMARY KEY(EMPNO),
    FOREIGN KEY(MANAGER) REFERENCES EMPLOYEELSM(EMPNO),
    FOREIGN KEY(DNO) REFERENCES DEPARTMENTLSM(DEPTNO)
);

INSERT INTO DEPARTMENTLSM VALUES (1, '영업', 8);
INSERT INTO DEPARTMENTLSM VALUES (2, '기획', 10);
INSERT INTO DEPARTMENTLSM VALUES (3, '개발', 9);
INSERT INTO DEPARTMENTLSM VALUES (4, '총무', 7);

INSERT INTO EMPLOYEELSM VALUES (4377, '이성래', '사장', NULL, 4000000, "1996-01-05", 2);
INSERT INTO EMPLOYEELSM VALUES (3228, '김주훈', '부장', 4377, 4000000, "1997-03-06", 2);
INSERT INTO EMPLOYEELSM VALUES (2106, '김창섭', '대리', 3228, 2500000, "2000-03-05", 2);
INSERT INTO EMPLOYEELSM VALUES (1234, '장건호', '부장', 4377, 4200000, "1996-11-23", 1);
INSERT INTO EMPLOYEELSM VALUES (3426, '박영권', '과장', 1234, 3000000, "1998-07-20", 1);
INSERT INTO EMPLOYEELSM VALUES (3011, '이수민', '부장', 4377, 4300000, "1996-04-30", 3);
INSERT INTO EMPLOYEELSM VALUES (2468, '조범수', '과장', 3011, 3500000, "1998-12-17", 3);
INSERT INTO EMPLOYEELSM VALUES (1003, '조민희', '대리', 2468, 2600000, "2001-02-19", 2);
INSERT INTO EMPLOYEELSM VALUES (3427, '최종철', '사원', 1003, 1500000, "2005-10-28", 3);
INSERT INTO EMPLOYEELSM VALUES (1365, '김상원', '사원', 3426, 1600000, "2004-02-26", 1);
INSERT INTO EMPLOYEELSM VALUES (1099, '이재원', '사원', 3426, 1800000, "2003-12-21", 1);
INSERT INTO EMPLOYEELSM VALUES (2544, '오준석', '대리', 2468, 2700000, "2001-08-25", 3);
INSERT INTO EMPLOYEELSM VALUES (1004, '이은주', '사원', 2544, 1600000, "2020-05-01", 3);
```

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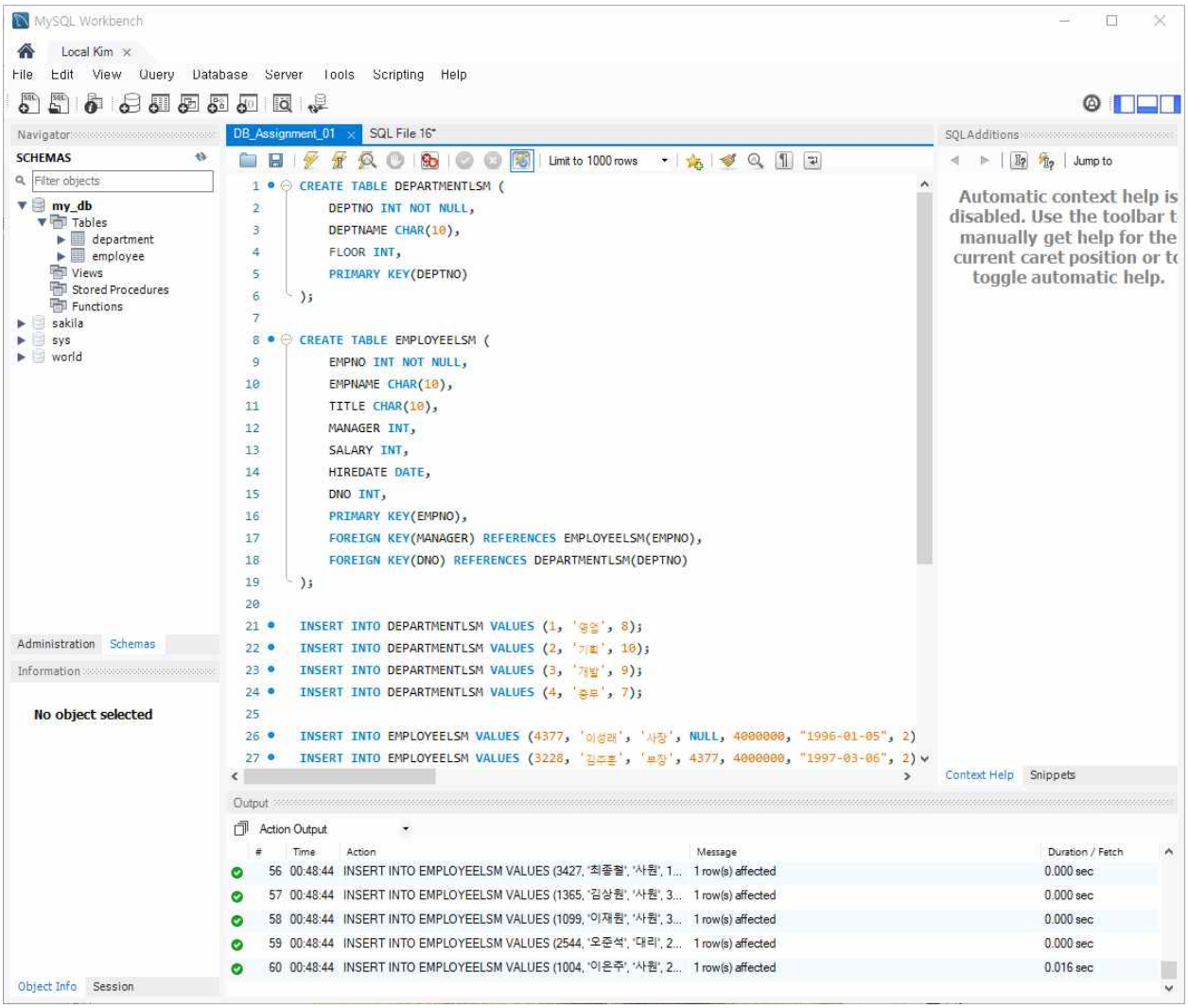
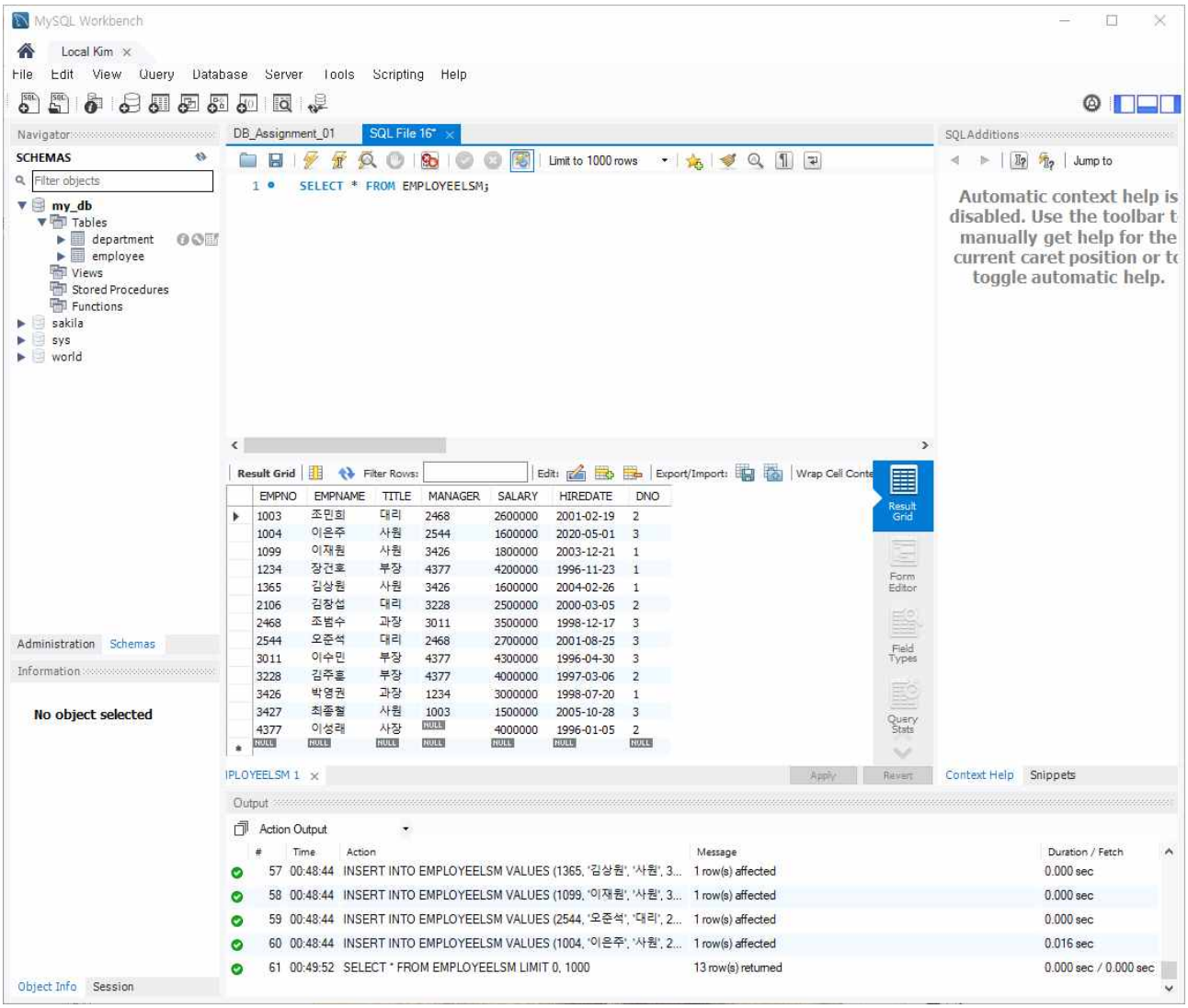
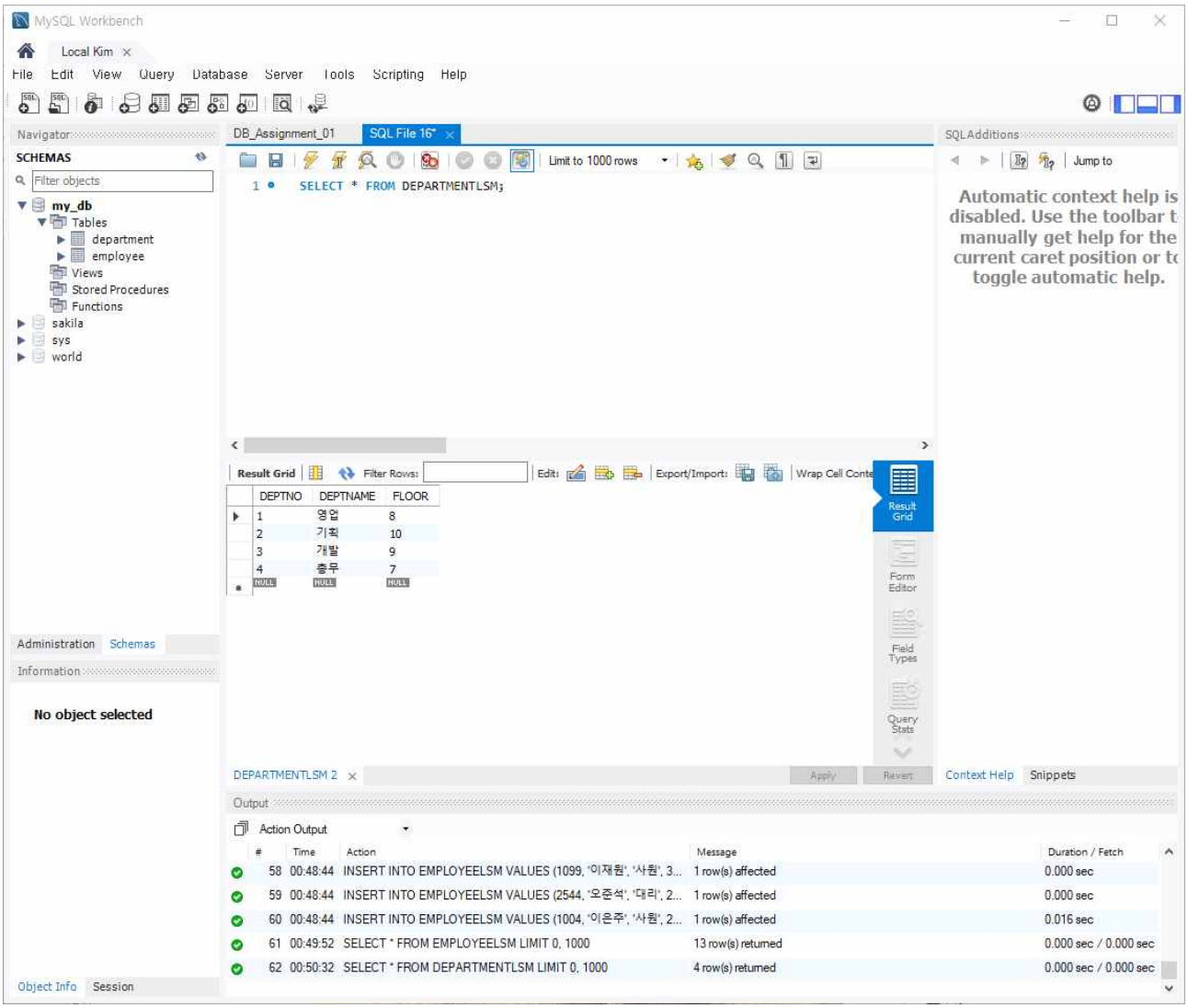


테이블: EMPLOYEELSM

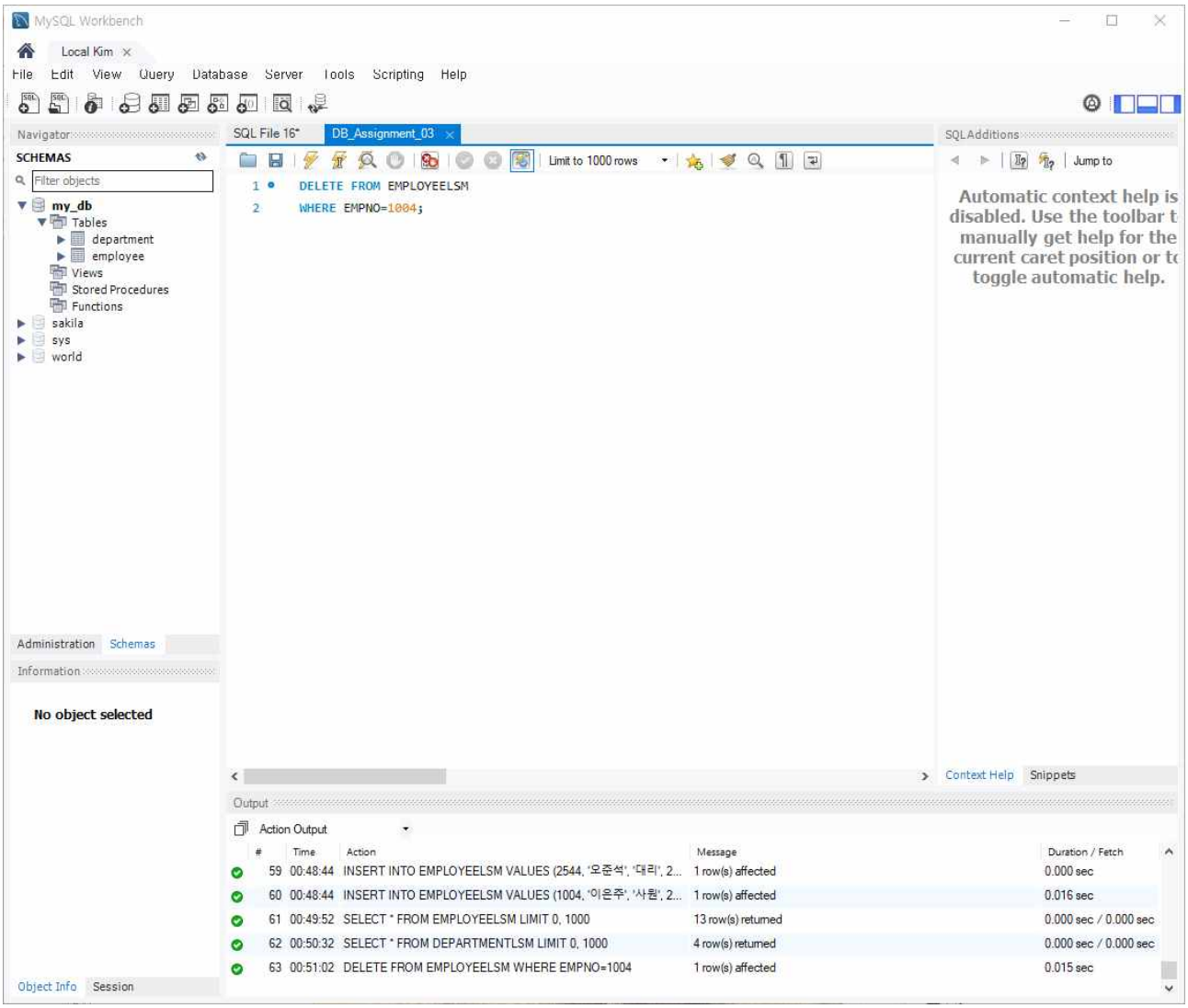


테이블: DEPARTMENTLSM

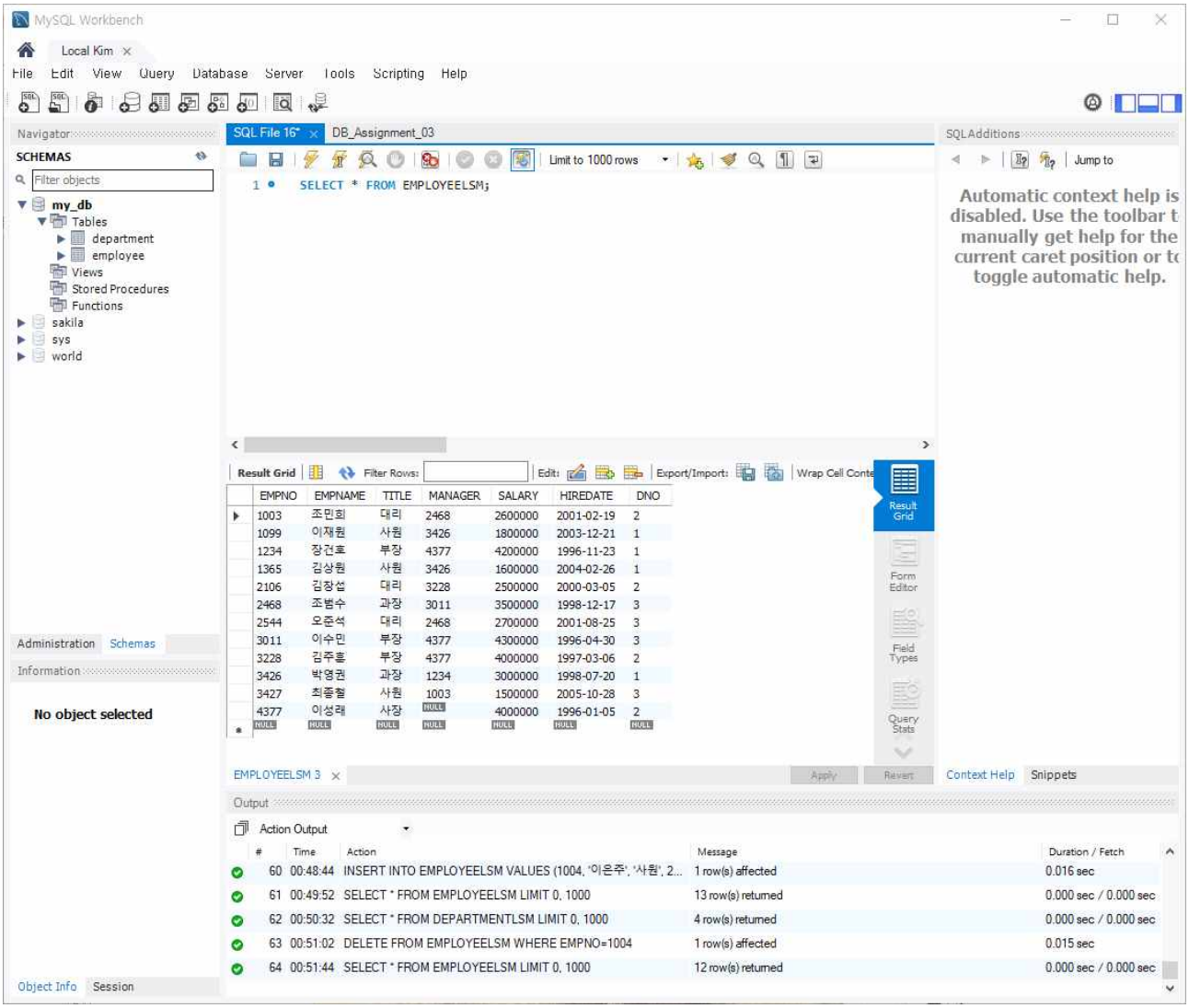


03.

DELETE FROM EMPLOYEELSM
WHERE EMPNO=1004;

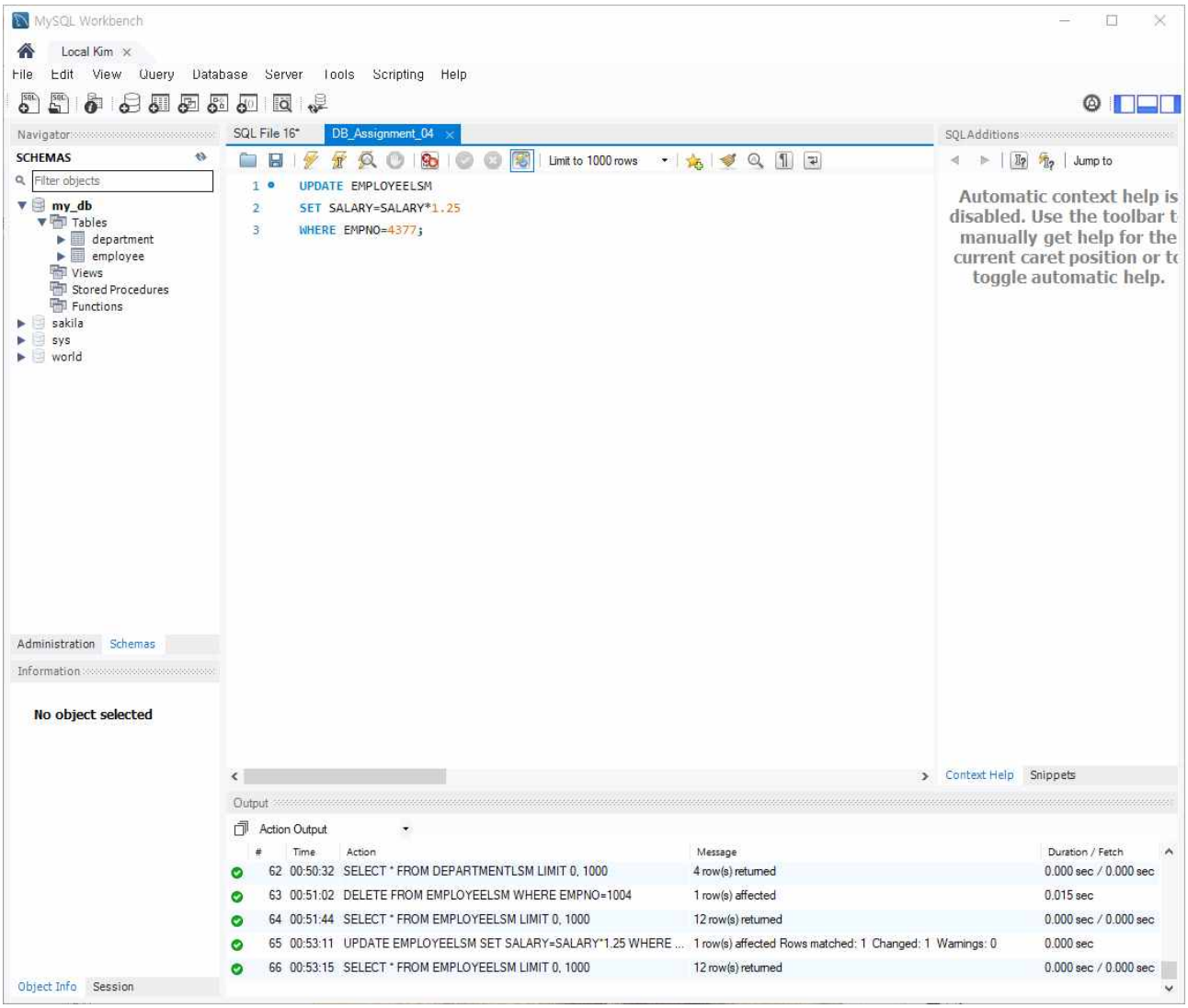


테이블: EMPLOYEELSM



04.

```
UPDATE EMPLOYEELSM
SET SALARY=SALARY*1.25
WHERE EMPNO=4377;
```



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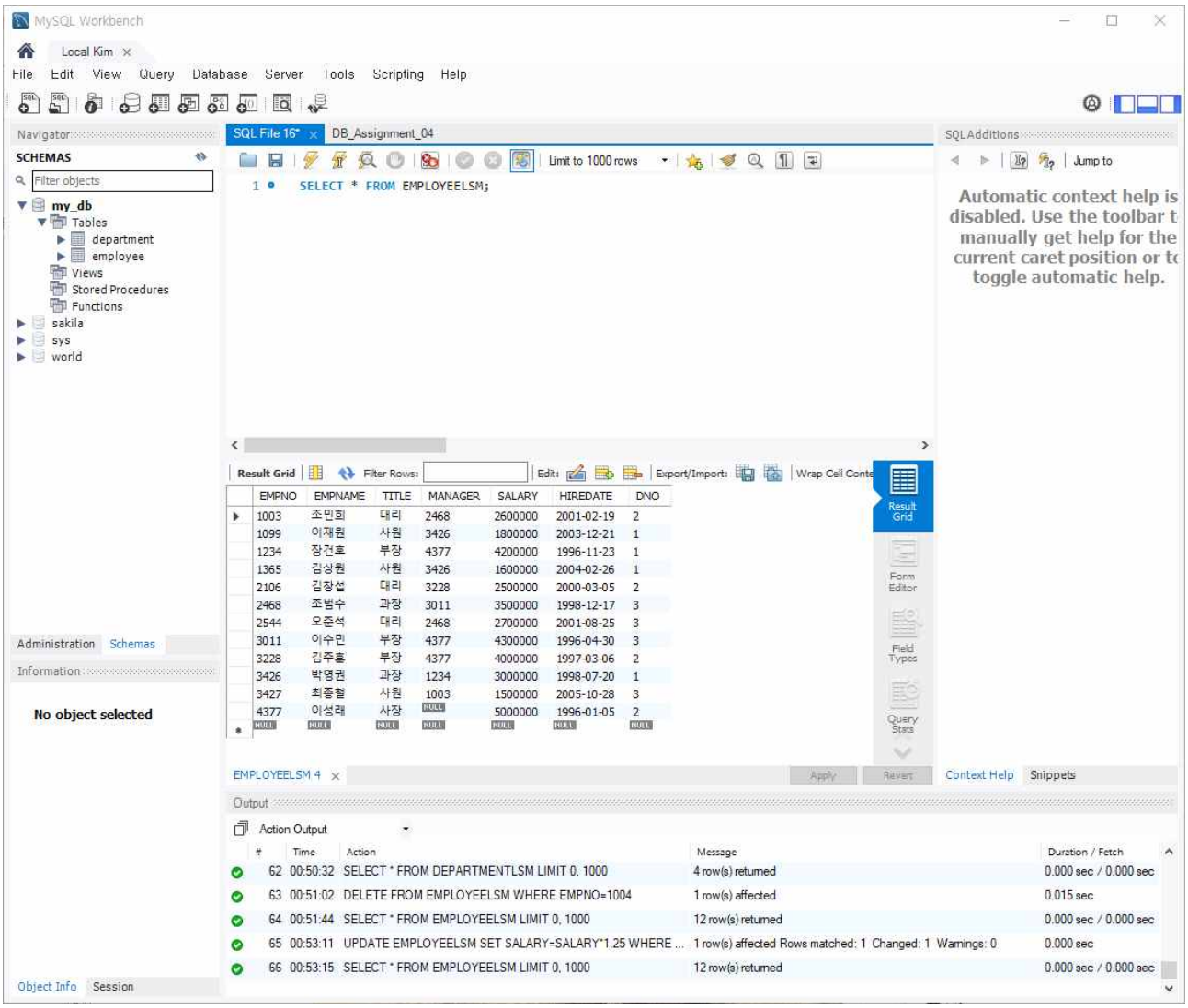
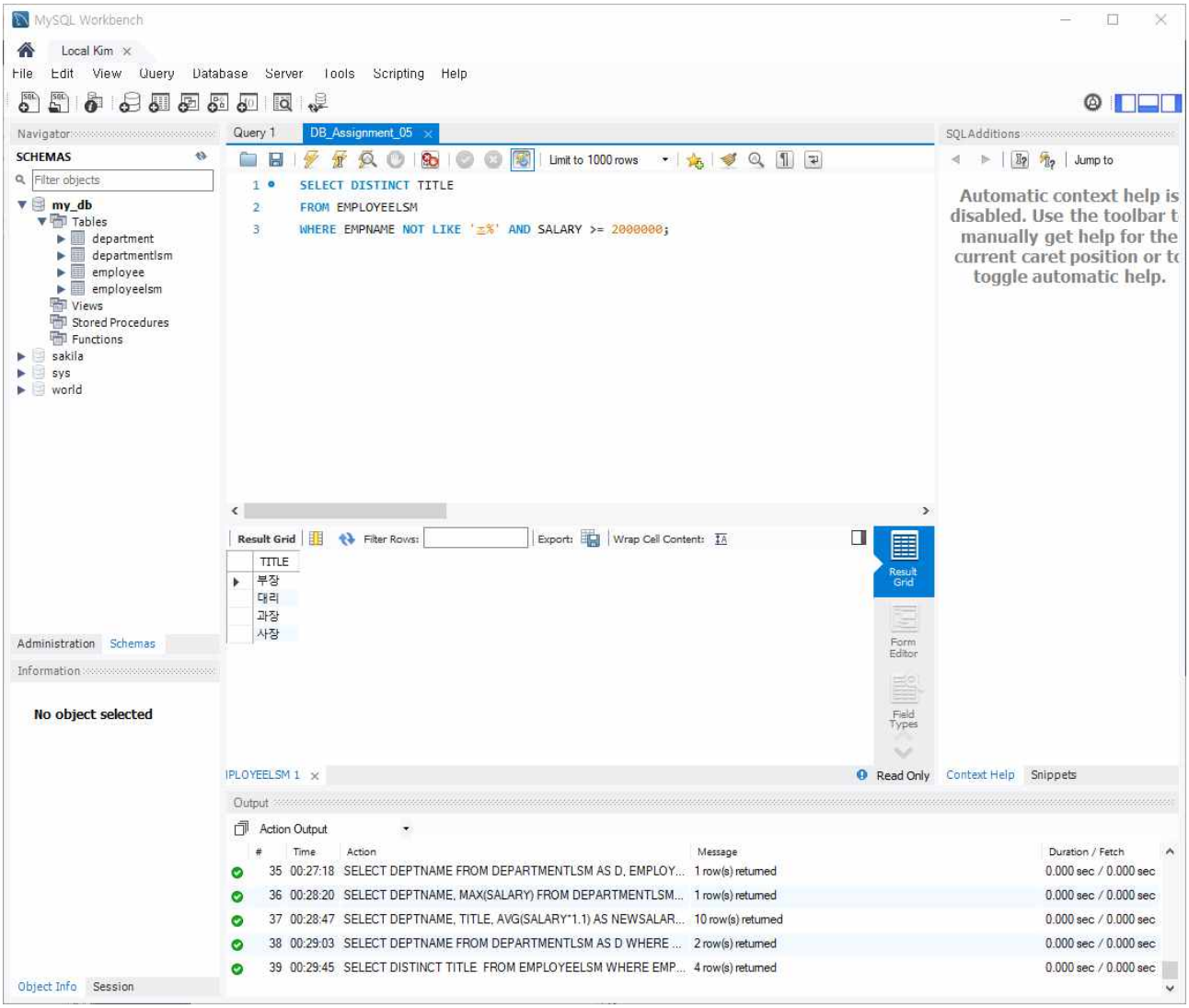
테이블: EMPLOYEELSM



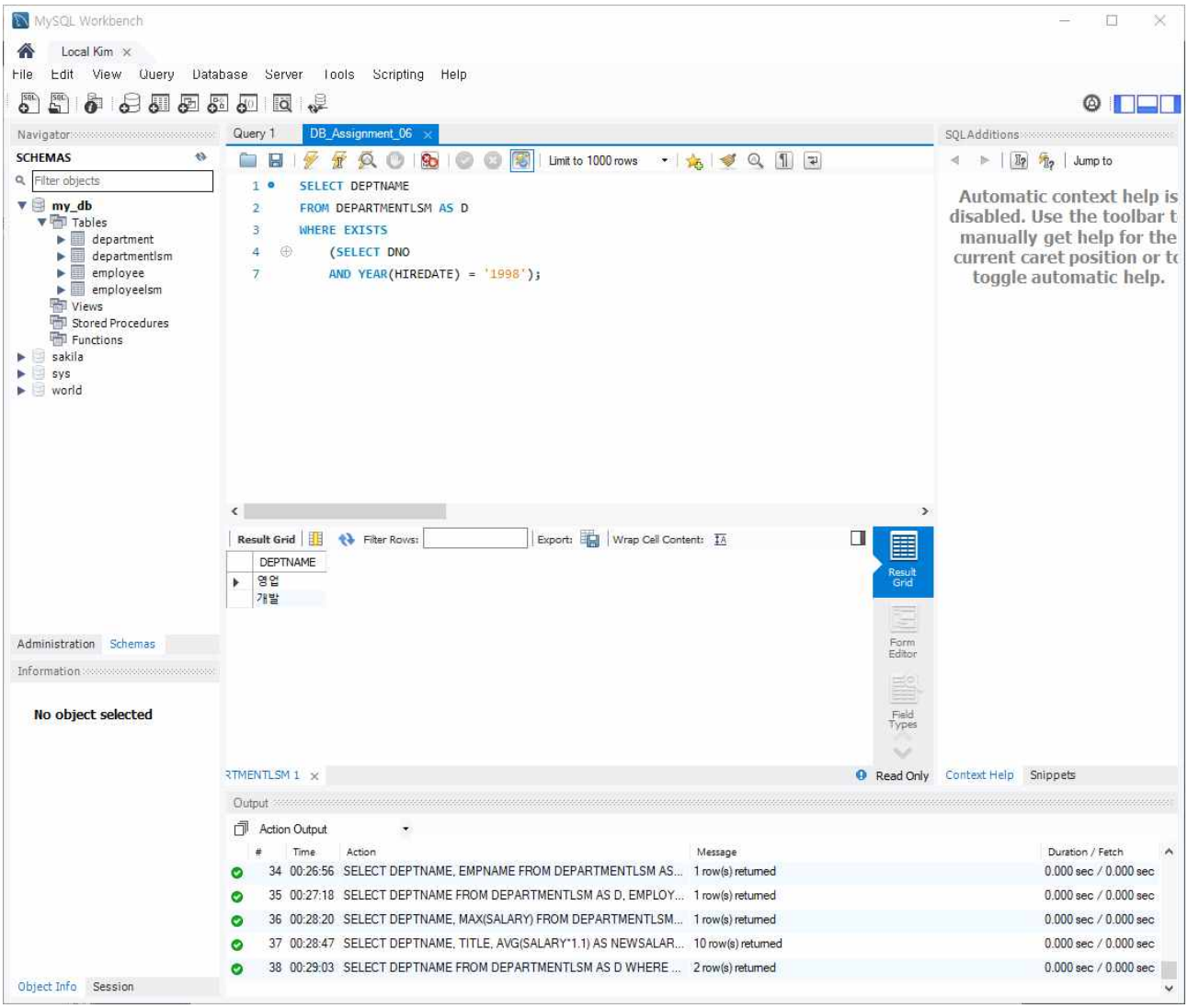
05.

```
SELECT DISTINCT TITLE
FROM EMPLOYEELSM
WHERE EMPNAME NOT LIKE '조%' AND SALARY >= 2000000;
```



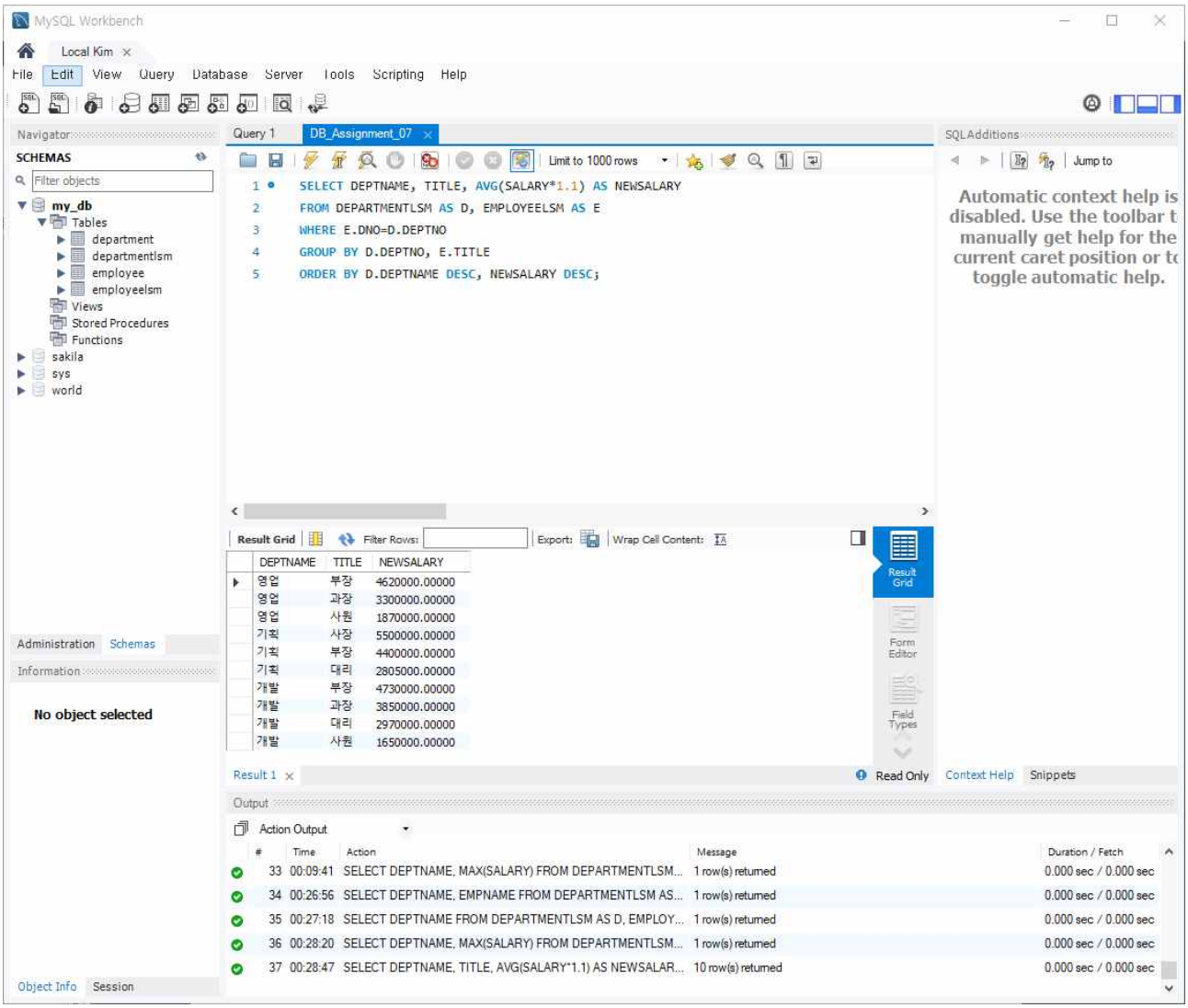
06.

```
SELECT DEPTNAME
FROM DEPARTMENTLSM AS D
WHERE EXISTS
        (SELECT DNO
        FROM EMPLOYEELSM AS E
        WHERE E.DNO=D.DEPTNO
        AND YEAR(HIREDATE) = '1998');
```



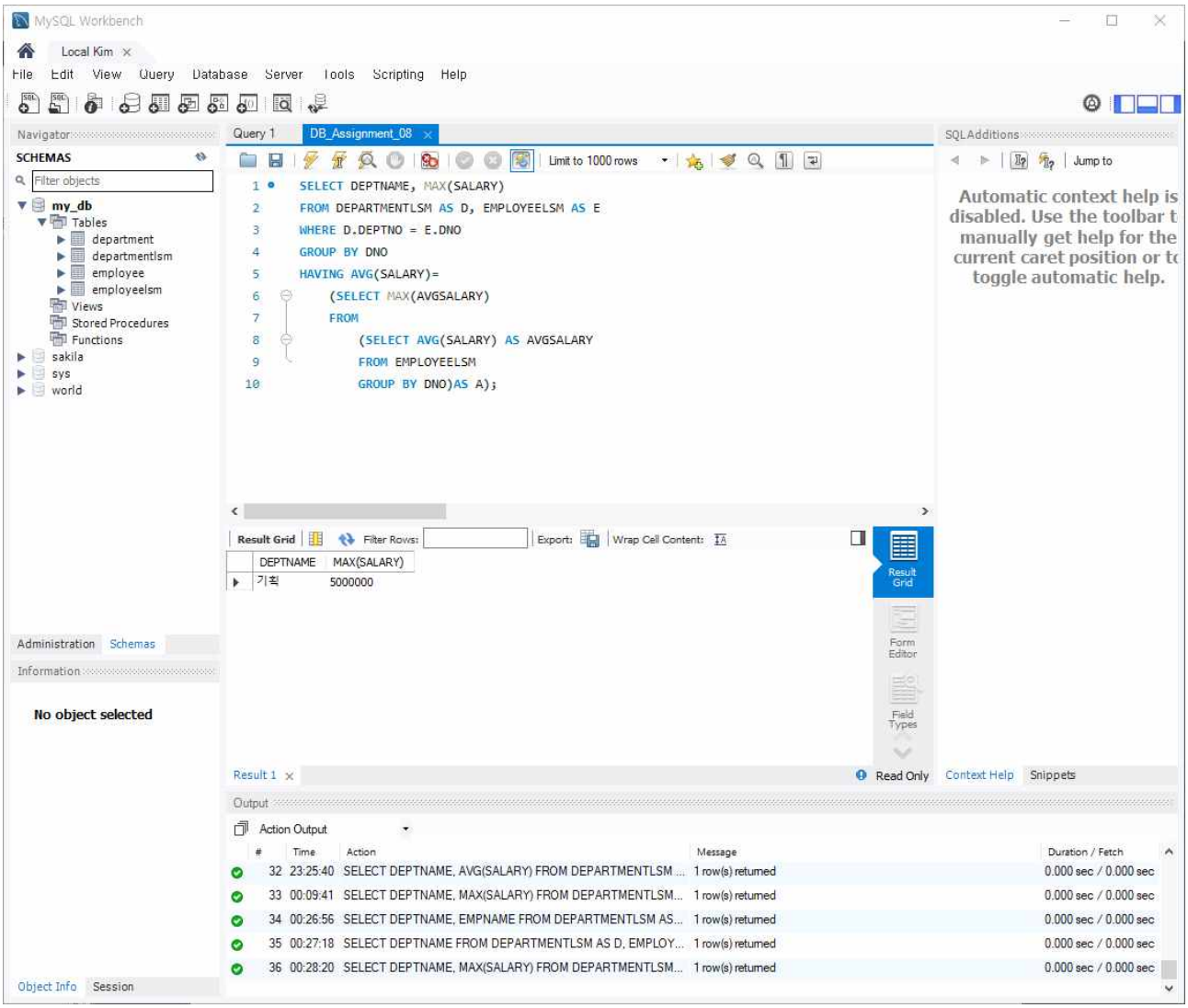
07.

```
SELECT DEPTNAME, TITLE, AVG(SALARY*1.1) AS NEWSALARY
FROM DEPARTMENTLSM AS D, EMPLOYEELSM AS E
WHERE E.DNO=D.DEPTNO
GROUP BY D.DEPTNO, E.TITLE
ORDER BY D.DEPTNAME DESC, NEWSALARY DESC;
```



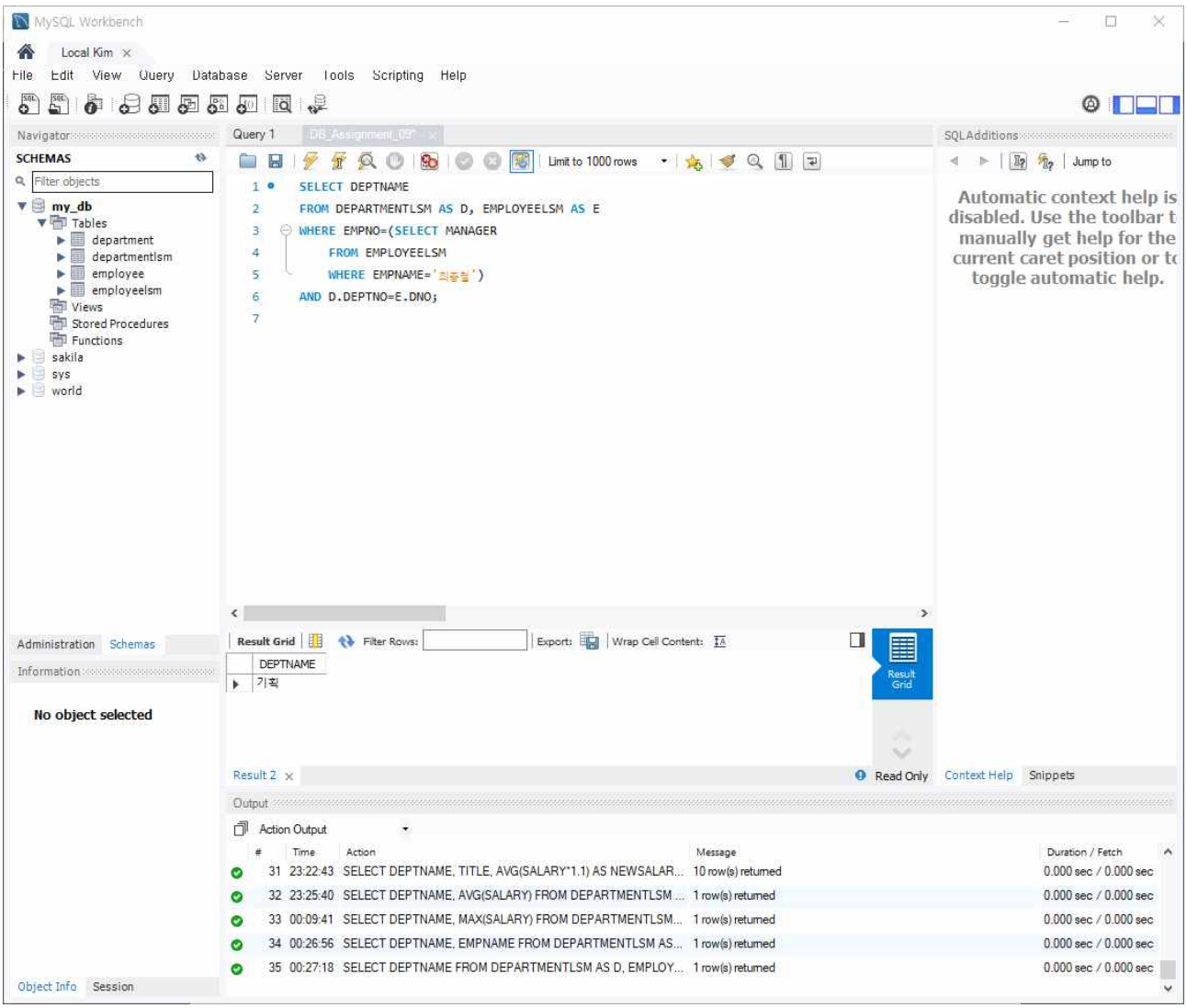
08.

```
SELECT DEPTNAME, MAX(SALARY)
FROM DEPARTMENTLSM AS D, EMPLOYEELSM AS E
WHERE D.DEPTNO = E.DNO
GROUP BY DNO
HAVING AVG(SALARY)=
        (SELECT MAX(AVGSALARY)
    FROM
                (SELECT AVG(SALARY) AS AVGSALARY
                FROM EMPLOYEELSM
                GROUP BY DNO)AS A);
```



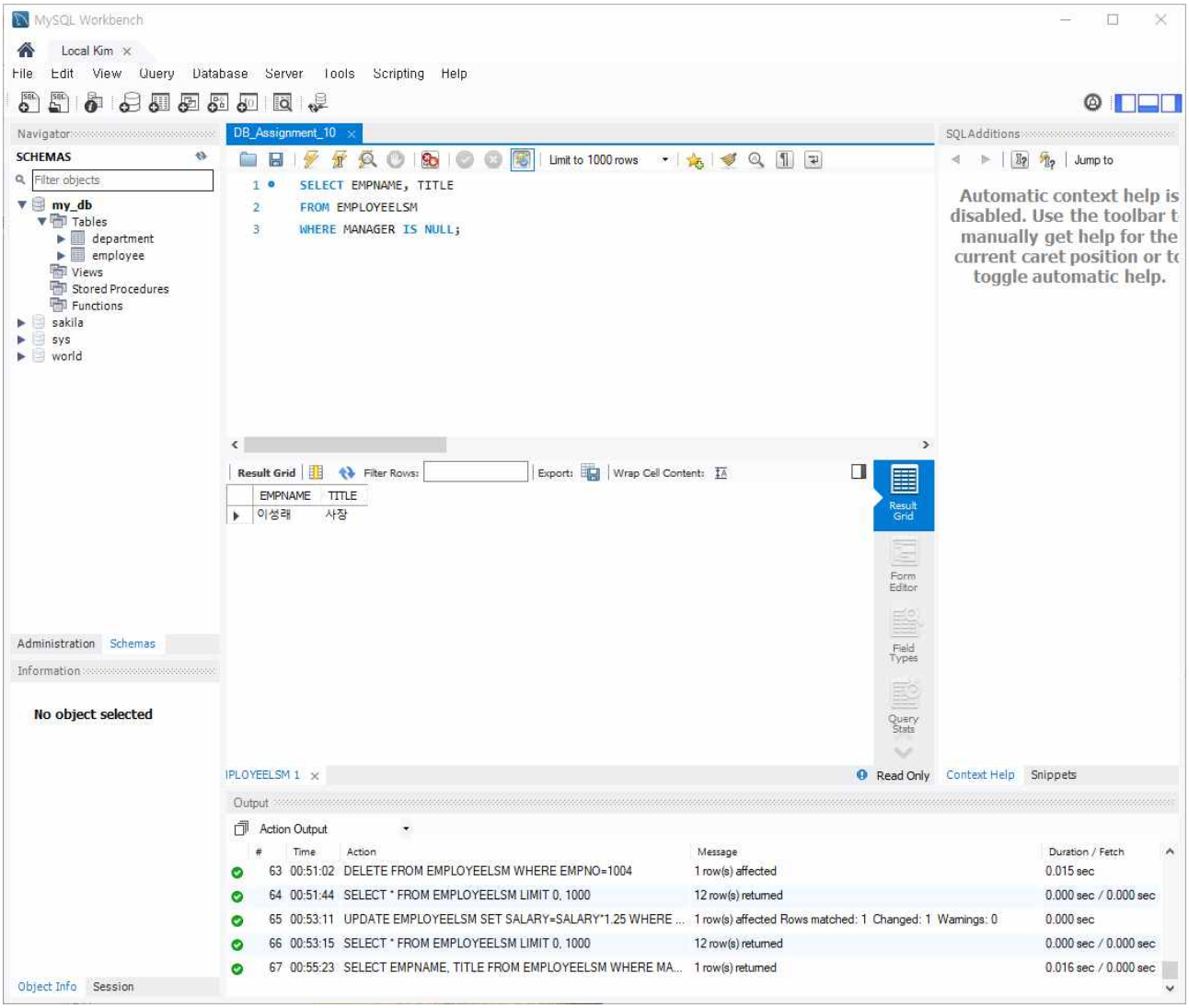
09.

```
SELECT DEPTNAME
FROM DEPARTMENTLSM AS D, EMPLOYEELSM AS E
WHERE EMPNO=(SELECT MANAGER
            FROM EMPLOYEELSM
      WHERE EMPNAME='최종철')
AND D.DEPTNO=E.DNO;
```



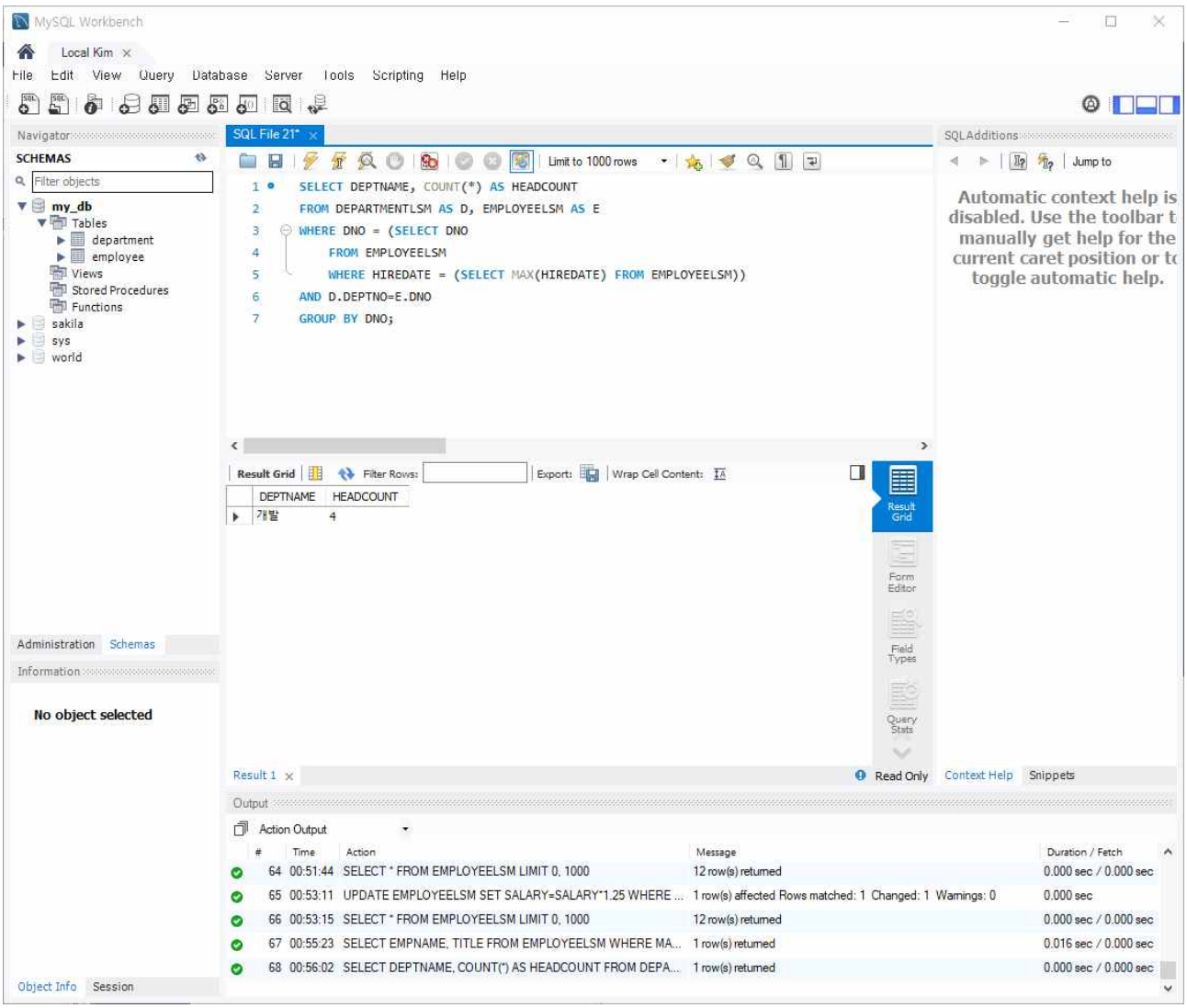
10.

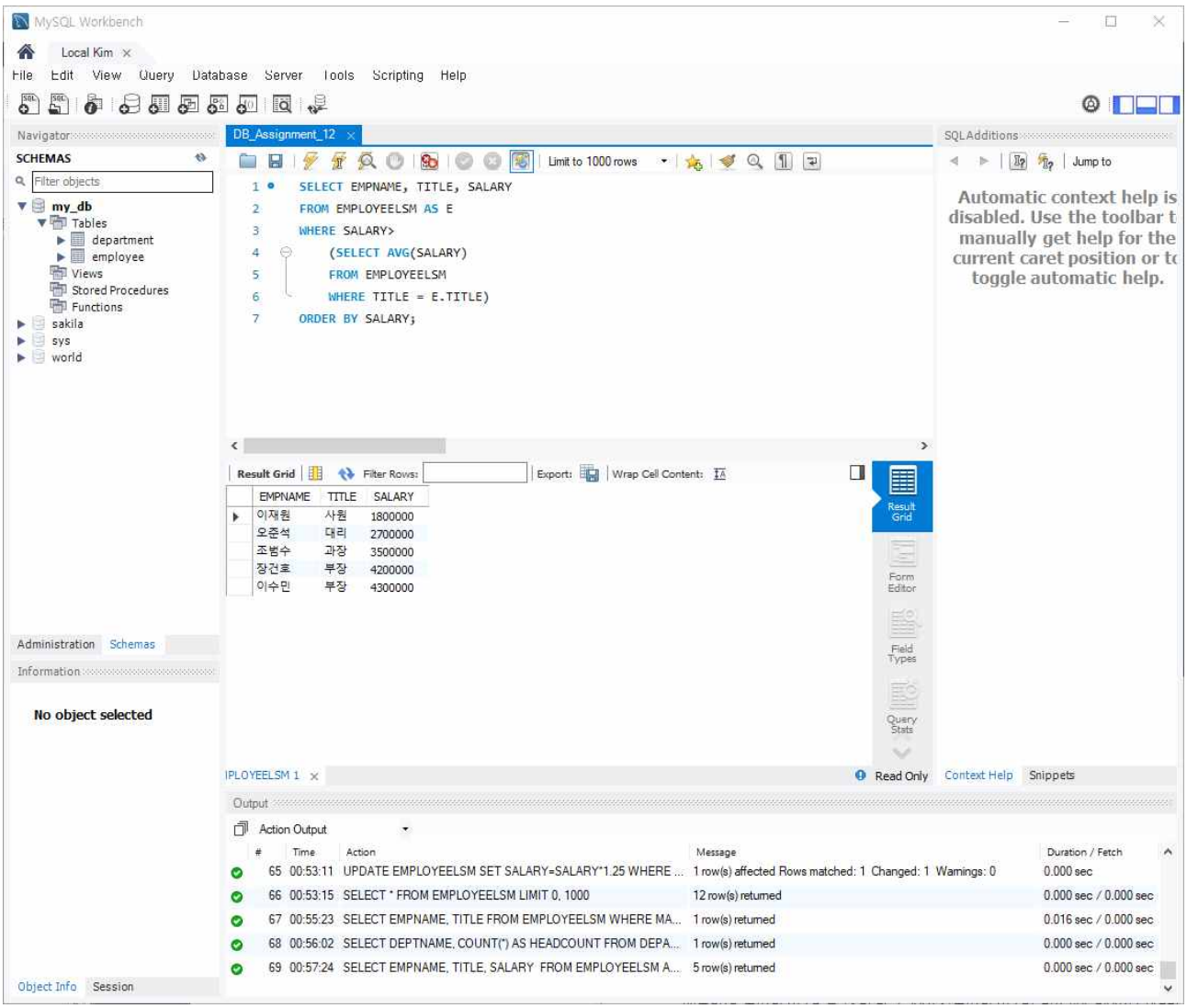
```
SELECT EMPNAME, TITLE
FROM EMPLOYEELSM
WHERE MANAGER IS NULL;
```



11.

```
SELECT DEPTNAME, COUNT(*) AS HEADCOUNT
FROM DEPARTMENTLSM AS D, EMPLOYEELSM AS E
WHERE DNO = (SELECT DNO
        FROM EMPLOYEELSM
        WHERE HIREDATE = (SELECT MAX(HIREDATE) FROM EMPLOYEELSM))
AND D.DEPTNO=E.DNO
GROUP BY DNO;
```



12.

```
SELECT EMPNAME, TITLE, SALARY
FROM EMPLOYEELSM AS E
WHERE SALARY>
        (SELECT AVG(SALARY)
        FROM EMPLOYEELSM
        WHERE TITLE = E.TITLE)
ORDER BY SALARY;
```