

# #1

1. 사원 테이블에서 사원번호와 이름 그리고 월급을 출력하세요

| EMPNO | ENAME | SAL  |
|-------|-------|------|
| 7839  | KING  | 5000 |
| 7698  | BLAKE | 2850 |
| 7782  | CLARK | 2450 |
| :     | :     | :    |

```
SELECT empno, ename, sal FROM emp;
```

|    | EMPNO | ENAME  | SAL  |
|----|-------|--------|------|
| 1  | 7839  | KING   | 5000 |
| 2  | 7698  | BLAKE  | 2850 |
| 3  | 7782  | CLARK  | 2450 |
| 4  | 7566  | JONES  | 2975 |
| 5  | 7654  | MARTIN | 1250 |
| 6  | 7499  | ALLEN  | 1600 |
| 7  | 7844  | TURNER | 1500 |
| 8  | 7900  | JAMES  | 950  |
| 9  | 7521  | WARD   | 1250 |
| 10 | 7902  | FORD   | 3000 |
| 11 | 7369  | SMITH  | 800  |
| 12 | 7788  | SCOTT  | 3000 |
| 13 | 7876  | ADAMS  | 1100 |
| 14 | 7934  | MILLER | 1300 |

## 2. 사원 테이블의 모든 열을 전부 출력하세요

| EMPNO | ENAME  | JOB       | MGR  | HIREDATE | SAL  | COMM | DEPTNO |
|-------|--------|-----------|------|----------|------|------|--------|
| 7839  | KING   | PRESIDENT |      | 81/11/17 | 5000 |      | 10     |
| 7698  | BLAKE  | MANAGER   | 7839 | 81/05/01 | 2850 |      | 30     |
| 7782  | CLARK  | MANAGER   | 7839 | 81/05/09 | 2450 |      | 10     |
| 7566  | JONES  | MANAGER   | 7839 | 81/04/01 | 2975 |      | 20     |
| 7694  | MARTIN | SALESMAN  | 7698 | 81/09/10 | 1250 | 1400 | 30     |
| 7499  | ALLEN  | SALESMAN  | 7698 | 81/02/11 | 1600 | 300  | 30     |

SELECT \* FROM emp;

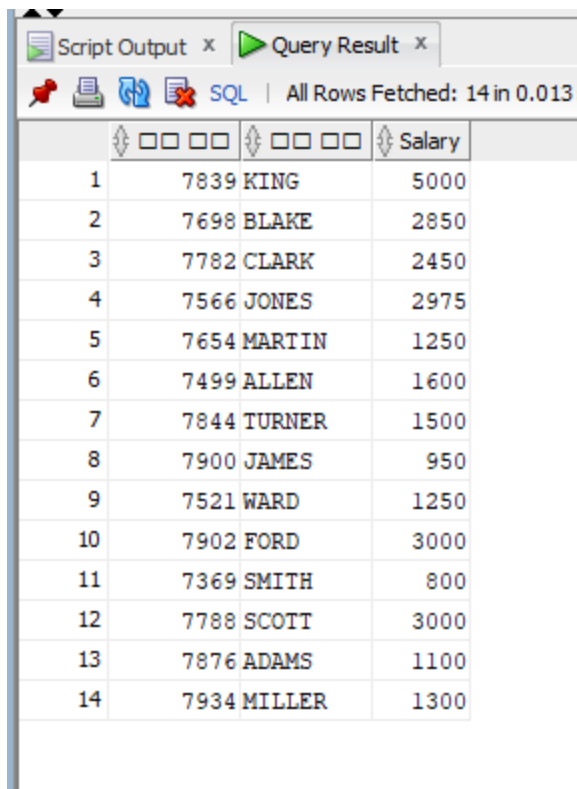
| SQL   All Rows Fetched: 14 in 0.012 seconds |       |        |           |        |          |      |        |        |
|---|-------|--------|-----------|--------|----------|------|--------|--------|
|   | EMPNO | ENAME  | JOB       | MGR    | HIREDATE | SAL  | COMM   | DEPTNO |
| 1   | 7839  | KING   | PRESIDENT | (null) | 81-11-17 | 5000 | (null) | 10     |
| 2   | 7698  | BLAKE  | MANAGER   | 7839   | 81-05-01 | 2850 | (null) | 30     |
| 3   | 7782  | CLARK  | MANAGER   | 7839   | 81-05-09 | 2450 | (null) | 10     |
| 4   | 7566  | JONES  | MANAGER   | 7839   | 81-04-01 | 2975 | (null) | 20     |
| 5   | 7654  | MARTIN | SALESMAN  | 7698   | 81-09-10 | 1250 | 1400   | 30     |
| 6   | 7499  | ALLEN  | SALESMAN  | 7698   | 81-02-11 | 1600 | 300    | 30     |
| 7   | 7844  | TURNER | SALESMAN  | 7698   | 81-08-21 | 1500 | 0      | 30     |
| 8   | 7900  | JAMES  | CLERK     | 7698   | 81-12-11 | 950  | (null) | 30     |
| 9   | 7521  | WARD   | SALESMAN  | 7698   | 81-02-23 | 1250 | 500    | 30     |
| 10  | 7902  | FORD   | ANALYST   | 7566   | 81-12-11 | 3000 | (null) | 20     |
| 11  | 7369  | SMITH  | CLERK     | 7902   | 80-12-11 | 800  | (null) | 20     |
| 12  | 7788  | SCOTT  | ANALYST   | 7566   | 82-12-22 | 3000 | (null) | 20     |
| 13  | 7876  | ADAMS  | CLERK     | 7788   | 83-01-15 | 1100 | (null) | 20     |
| 14  | 7934  | MILLER | CLERK     | 7782   | 82-01-11 | 1300 | (null) | 10     |

## 3. 사원 테이블의 사원번호와 이름 그리고 월급을 출력하는데 컬럼명을 변경하여 출력하세요

“사원 번호”, “사원 이름”, “Salary”

| 사원 번호 | 사원 이름  | SALARY |
|-------|--------|--------|
| 7839  | KING   | 5000   |
| 7698  | BLAKE  | 2850   |
| 7782  | CLARK  | 2450   |
| 7566  | JONES  | 2975   |
| 7654  | MARTIN | 1250   |

```
SELECT empno AS "사원 번호", ename AS "사원 이름", sal "Salary"
FROM emp;
```



The screenshot shows a SQL query result window with the following data:

|    | 사원 번호 | 사원 이름  | Salary |
|----|-------|--------|--------|
| 1  | 7839  | KING   | 5000   |
| 2  | 7698  | BLAKE  | 2850   |
| 3  | 7782  | CLARK  | 2450   |
| 4  | 7566  | JONES  | 2975   |
| 5  | 7654  | MARTIN | 1250   |
| 6  | 7499  | ALLEN  | 1600   |
| 7  | 7844  | TURNER | 1500   |
| 8  | 7900  | JAMES  | 950    |
| 9  | 7521  | WARD   | 1250   |
| 10 | 7902  | FORD   | 3000   |
| 11 | 7369  | SMITH  | 800    |
| 12 | 7788  | SCOTT  | 3000   |
| 13 | 7876  | ADAMS  | 1100   |
| 14 | 7934  | MILLER | 1300   |

4. 사원 테이블의 이름과 월급을 서로 붙여서 출력하세요

| ENAME  SAL |
|------------|
| KING5000   |
| BLAKE2850  |
| CLARK2450  |
| JONES2975  |
| :          |

```
SELECT ename||sal
FROM emp;
```

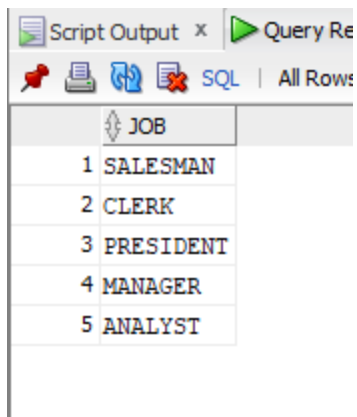


| ENAME  SAL    |
|---------------|
| 1 KING5000    |
| 2 BLAKE2850   |
| 3 CLARK2450   |
| 4 JONES2975   |
| 5 MARTIN1250  |
| 6 ALLEN1600   |
| 7 TURNER1500  |
| 8 JAMES950    |
| 9 WARD1250    |
| 10 FORD3000   |
| 11 SMITH800   |
| 12 SCOTT3000  |
| 13 ADAMS1100  |
| 14 MILLER1300 |

5. 사원 테이블에서 직업을 출력하는데 중복된 데이터는 제외하고 출력하세요

| JOB       |
|-----------|
| SALESMAN  |
| CLERK     |
| ANALYST   |
| MANAGER   |
| PRESIDENT |

```
SELECT DISTINCT job
FROM emp;
```



The screenshot shows a SQL query result window with a toolbar at the top containing icons for 'Script Output', 'Query Results', 'SQL', and 'All Rows'. Below the toolbar is a table with the following data:

| JOB         |
|-------------|
| 1 SALESMAN  |
| 2 CLERK     |
| 3 PRESIDENT |
| 4 MANAGER   |
| 5 ANALYST   |

6. 사원테이블에서 이름과 월급을 출력하는데 월급이 낮은 사원부터 출력하세요

| ENAME  | SAL  |
|--------|------|
| SMITH  | 800  |
| JAMES  | 950  |
| ADAMS  | 1100 |
| WARD   | 1250 |
| MARTIN | 1250 |
| MILLER | 1300 |
| TURNER | 1500 |
| ALLEN  | 1600 |
| CLARK  | 2450 |
| BLAKE  | 2850 |
| JONES  | 2975 |
| FORD   | 3000 |
| SCOTT  | 3000 |
| KING   | 5000 |

```

SELECT ename, sal
FROM emp
ORDER BY sal ASC;

```

|    | ENAME  | SAL  |
|----|--------|------|
| 1  | SMITH  | 800  |
| 2  | JAMES  | 950  |
| 3  | ADAMS  | 1100 |
| 4  | WARD   | 1250 |
| 5  | MARTIN | 1250 |
| 6  | MILLER | 1300 |
| 7  | TURNER | 1500 |
| 8  | ALLEN  | 1600 |
| 9  | CLARK  | 2450 |
| 10 | BLAKE  | 2850 |
| 11 | JONES  | 2975 |
| 12 | FORD   | 3000 |
| 13 | SCOTT  | 3000 |
| 14 | KING   | 5000 |

7. 사원 테이블에서 월급이 3000인 사원들의 이름, 월급, 직업을 출력하세요

| ENAME | SAL  | JOB     |
|-------|------|---------|
| FORD  | 3000 | ANALYST |
| SCOTT | 3000 | ANALYST |

```
SELECT ename, sal, job
FROM emp
WHERE sal IN(3000);
```

|   | ENAME | SAL  | JOB     |
|---|-------|------|---------|
| 1 | FORD  | 3000 | ANALYST |
| 2 | SCOTT | 3000 | ANALYST |

8. 이름이 SCOTT 인 사원의 이름, 월급, 직업, 입사일, 부서 번호를 출력하세요

| ENAME | SAL  | JOB     | HIREDATE | DEPTNO |
|-------|------|---------|----------|--------|
| SCOTT | 3000 | ANALYST | 82/12/22 | 20     |

```
SELECT ename, sal, job, hiredate, deptno
FROM emp
WHERE ename LIKE 'SCOTT';
```

|   | ENAME | SAL  | JOB     | HIREDATE | DEPTNO |
|---|-------|------|---------|----------|--------|
| 1 | SCOTT | 3000 | ANALYST | 82-12-22 | 20     |

9. 연봉이 36000 이상인 직원들의 이름과 연봉을 출력하세요

| ENAME | 연봉    |
|-------|-------|
| KING  | 60000 |
| FORD  | 36000 |
| SCOTT | 36000 |

```
SELECT ename, sal*12 AS "연봉"
FROM emp
WHERE sal*12 >= 36000;
```

|   | ENAME | □□    |
|---|-------|-------|
| 1 | KING  | 60000 |
| 2 | FORD  | 36000 |
| 3 | SCOTT | 36000 |

10. 월급이 1200이하인 직원들의 이름, 월급, 직업, 부서번호를 출력하세요



| ENAME | SAL | JOB   | DEPTNO |
|-------|-----|-------|--------|
| JAMES | 950 | CLERK | 30     |
| SMITH | 800 | CLERK | 20     |
| ADAMS | 100 | CLERK | 20     |

```
SELECT ename, sal, job, deptno
FROM emp
WHERE sal <= 1200;
```

|   | ENAME | SAL  | JOB   | DEPTNO |
|---|-------|------|-------|--------|
| 1 | JAMES | 950  | CLERK | 30     |
| 2 | SMITH | 800  | CLERK | 20     |
| 3 | ADAMS | 1100 | CLERK | 20     |