

#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;

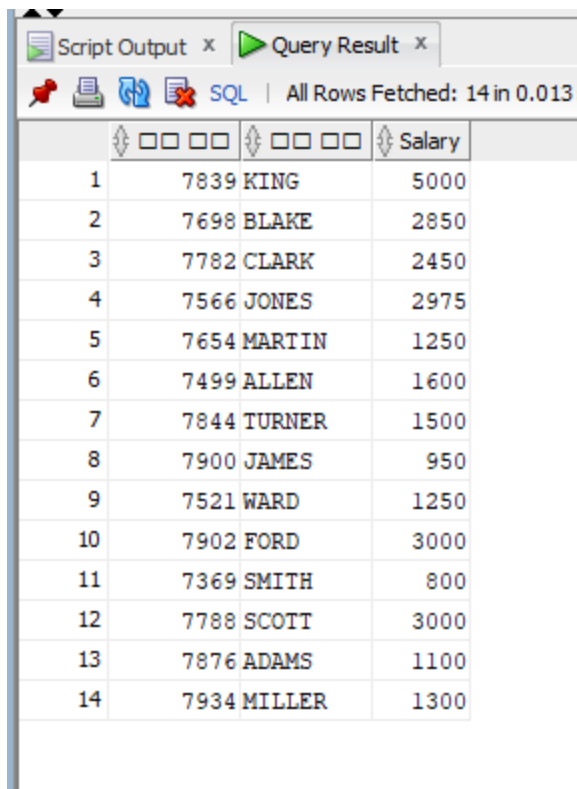
| SQL All Rows Fetched: 14 in 0.012 seconds | | | | | | | | |
|---|-------|--------|-----------|--------|----------|------|--------|--------|
| | EMPNO | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPTNO |
| 1 | 7839 | KING | PRESIDENT | (null) | 81-11-17 | 5000 | (null) | 10 |
| 2 | 7698 | BLAKE | 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;
```



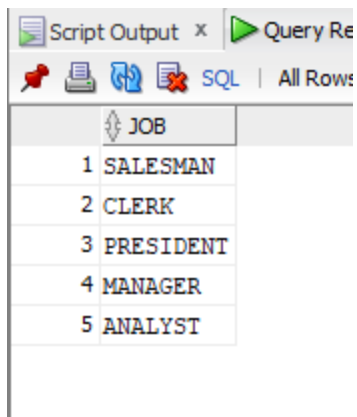
The screenshot shows a SQL query result window with the title 'Query Result'. The query is 'SELECT ename||sal FROM emp;'. The result is a table with one column 'ENAME||SAL' and 14 rows of data. The rows are numbered 1 through 14. The data is as follows:

| | 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, a table displays the results of the query. The table has one column labeled 'JOB' and five rows of data. The rows are numbered 1 through 5 on the left side of the table.

| 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 |