# SCOTT\_연습문제

#### 1. EMP테이블에서 COMM 의 값이 NULL이 아닌 정보 조회

7499 ALLEN	SALESMAN	7698	81/02/20	1600	300	30
7521 WARD	SALESMAN	7698	81/02/22	1250	200	30
7566 JONES	MANAGER	7839	81/04/02	2975	30	20
7654 MARTIN	SALESMAN	7698	81/09/28	1250	300	30
7839 KING	PRESIDENT	(null)	81/11/17	5000	3500	10
7844 TURNER	SALESMAN	7698	81/09/08	1500	0	30
	7521 WARD 7566 JONES 7654 MARTIN 7839 KING	7521 WARD SALESMAN 7566 JONES MANAGER 7654 MARTIN SALESMAN 7839 KING PRESIDENT	7521 WARD SALESMAN 7698 7566 JONES MANAGER 7839 7654 MARTIN SALESMAN 7698 7839 KING PRESIDENT (null)	7521 WARD SALESMAN 7698 81/02/22 7566 JONES MANAGER 7839 81/04/02 7654 MARTIN SALESMAN 7698 81/09/28 7839 KING PRESIDENT (null) 81/11/17	7521 WARD SALESMAN 7698 81/02/22 1250 7566 JONES MANAGER 7839 81/04/02 2975 7654 MARTIN SALESMAN 7698 81/09/28 1250 7839 KING PRESIDENT (null) 81/11/17 5000	7521 WARD SALESMAN 7698 81/02/22 1250 200 7566 JONES MANAGER 7839 81/04/02 2975 30 7654 MARTIN SALESMAN 7698 81/09/28 1250 300 7839 KING PRESIDENT (null) 81/11/17 5000 3500

#### 2. EMP테이블에서 커미션을 받지 못하는 직원 조회

	4/3/2014/09/2019	101112221000			- 145 - 155 - 155 - 151	
7369 SMITH	CLERK	7902	80/12/17	800	(null)	20
7698 BLAKE	MANAGER	7839	81/04/01	2850	(null)	30
7782 CLARK	MANAGER	7839	81/06/01	2450	(null)	10
7788 SCOTT	ANALYST	7566	82/10/09	3000	(null)	20
7844 TURNER	SALESMAN	7698	81/09/08	1500	0	30
7876 ADAMS	CLERK	7788	83/01/12	1100	(null)	20
7900 JAMES	CLERK	7698	81/10/03	950	(null)	30
7902 FORD	ANALYST	7566	81/10/03	3000	(null)	20
7934 MILLER	CLERK	7782	82/01/23	1300	(null)	10
	7698 BLAKE 7782 CLARK 7788 SCOTT 7844 TURNER 7876 ADAMS 7900 JAMES 7902 FORD	7698 BLAKE MANAGER 7782 CLARK MANAGER 7788 SCOTT ANALYST 7844 TURNER SALESMAN 7876 ADAMS CLERK 7900 JAMES CLERK 7902 FORD ANALYST	7698 BLAKE MANAGER 7839 7782 CLARK MANAGER 7839 7788 SCOTT ANALYST 7566 7844 TURNER SALESMAN 7698 7876 ADAMS CLERK 7788 7900 JAMES CLERK 7698 7902 FORD ANALYST 7566	7698 BLAKE MANAGER 7839 81/04/01 7782 CLARK MANAGER 7839 81/06/01 7788 SCOTT ANALYST 7566 82/10/09 7844 TURNER SALESMAN 7698 81/09/08 7876 ADAMS CLERK 7788 83/01/12 7900 JAMES CLERK 7698 81/10/03 7902 FORD ANALYST 7566 81/10/03	7698 BLAKE MANAGER 7839 81/04/01 2850 7782 CLARK MANAGER 7839 81/06/01 2450 7788 SCOTT ANALYST 7566 82/10/09 3000 7844 TURNER SALESMAN 7698 81/09/08 1500 7876 ADAMS CLERK 7788 83/01/12 1100 7900 JAMES CLERK 7698 81/10/03 950 7902 FORD ANALYST 7566 81/10/03 3000	7698 BLAKE MANAGER 7839 81/04/01 2850 (null) 7782 CLARK MANAGER 7839 81/06/01 2450 (null) 7788 SCOTT ANALYST 7566 82/10/09 3000 (null) 7844 TURNER SALESMAN 7698 81/09/08 1500 0 7876 ADAMS CLERK 7788 83/01/12 1100 (null) 7900 JAMES CLERK 7698 81/10/03 950 (null) 7902 FORD ANALYST 7566 81/10/03 3000 (null)

## 3. EMP테이블에서 관리자가 없는 직원 정보 조회

1000						
1	7839 KING	PRESIDENT	(null) 81/11	/17 5000	3500	10

## 4. EMP테이블에서 급여를 많이 받는 직원 순으로 조회

1	7839	KING	PRESIDENT	(null)	81/11/17	5000	3500	10
2	7902	FORD	ANALYST	7566	81/10/03	3000	(null)	20
3	7788	SCOTT	ANALYST	7566	82/10/09	3000	(null)	20
4	7566	JONES	MANAGER	7839	81/04/02	2975	30	20
5	7698	BLAKE	MANAGER	7839	81/04/01	2850	(null)	30
6	7782	CLARK	MANAGER	7839	81/06/01	2450	(null)	10
7	7499	ALLEN	SALESMAN	7698	81/02/20	1600	300	30
8	7844	TURNER	SALESMAN	7698	81/09/08	1500	0	30
9	7934	MILLER	CLERK	7782	82/01/23	1300	(null)	10
10	7521	WARD	SALESMAN	7698	81/02/22	1250	200	30
11	7654	MARTIN	SALESMAN	7698	81/09/28	1250	300	30
12	7876	ADAMS	CLERK	7788	83/01/12	1100	(null)	20
13	7900	JAMES	CLERK	7698	81/10/03	950	(null)	30
14	7369	SMITH	CLERK	7902	80/12/17	800	(null)	20

#### 5. EMP테이블에서 급여가 같을 경우 커미션을 내림차순 정렬 조회

10	3500	5000	81/11/17	(null)	PRESIDENT	7839 KING	1
20	(null)	3000	81/10/03	7566	ANALYST	7902 FORD	2
20	(null)	3000	82/10/09	7566	ANALYST	7788 SCOTT	3
20	30	2975	81/04/02	7839	MANAGER	7566 JONES	4
30	(null)	2850	81/04/01	7839	MANAGER	7698 BLAKE	5
10	(null)	2450	81/06/01	7839	MANAGER	7782 CLARK	6
30	300	1600	81/02/20	7698	SALESMAN	7499 ALLEN	7
30	0	1500	81/09/08	7698	SALESMAN	7844 TURNER	8
10	(null)	1300	82/01/23	7782	CLERK	7934 MILLER	9
30	300	1250	81/09/28	7698	SALESMAN	7654 MARTIN	10
30	200	1250	81/02/22	7698	SALESMAN	7521 WARD	11
20	(null)	1100	83/01/12	7788	CLERK	7876 ADAMS	12
30	(null)	950	81/10/03	7698	CLERK	7900 JAMES	13
20	(null)	800	80/12/17	7902	CLERK	7369 SMITH	14

## 6. EMP테이블에서 사원번호, 사원명, 직급, 입사일 조회 (단, 입사일을 오름차순 정렬 처리)

1	7369	SMITH	CLERK	80/12/17
2	7499	ALLEN	SALESMAN	81/02/20
3	7521	WARD	SALESMAN	81/02/22
4	7698	BLAKE	MANAGER	81/04/01
5	7566	JONES	MANAGER	81/04/02
6	7782	CLARK	MANAGER	81/06/01
7	7844	TURNER	SALESMAN	81/09/08
8	7654	MARTIN	SALESMAN	81/09/28
9	7900	JAMES	CLERK	81/10/03
10	7902	FORD	ANALYST	81/10/03
11	7839	KING	PRESIDENT	81/11/17
12	7934	MILLER	CLERK	82/01/23
13	7788	SCOTT	ANALYST	82/10/09
14	7876	ADAMS	CLERK	83/01/12

#### 7. EMP테이블에서 사원번호, 사원명 조회 (사원번호 기준 내림차순 정렬)

1	7934	MILLER
2	7902	FORD
3	7900	JAMES
4	7876	ADAMS
5	7844	TURNER
6	7839	KING
7	7788	SCOTT
8	7782	CLARK
9	7698	BLAKE
10	7654	MARTIN
11	7566	JONES
12	7521	WARD
13	7499	ALLEN
14	7369	SMITH

## 8. EMP테이블에서 사번, 입사일, 사원명, 급여 조회 (부서번호가 빠른 순으로, 같은 부서번호일 때는 최근 입사일 순으로 처리)

1	7934	10	82/01/23	MILLER	1300
	190000000000		A CONTRACTOR OF THE PARTY OF TH	NOV-MINT	Married
2	7839	10	81/11/17	KING	5000
3	7782	10	81/06/01	CLARK	2450
4	7876	20	83/01/12	ADAMS	1100
5	7788	20	82/10/09	SCOTT	3000
6	7902	20	81/10/03	FORD	3000
7	7566	20	81/04/02	JONES	2975
8	7369	20	80/12/17	SMITH	800
9	7900	30	81/10/03	JAMES	950
10	7654	30	81/09/28	MARTIN	1250
11	7844	30	81/09/08	TURNER	1500
12	7698	30	81/04/01	BLAKE	2850
13	7521	30	81/02/22	WARD	1250
14	7499	30	81/02/20	ALLEN	1600

#### 9. 오늘 날짜에 대한 정보 조회

1 19/05/16

#### 10. EMP테이블에서 사번, 사원명, 급여 조회

(단, 급여는 100단위까지의 값만 출력 처리하고 급여 기준 내림차순 정렬)

1	7839	KING	5000
2	7902	FORD	3000
3	7788	SCOTT	3000
4	7566	JONES	3000
5	7698	BLAKE	2900
6	7782	CLARK	2500
7	7499	ALLEN	1600
8	7844	TURNER	1500
9	7934	MILLER	1300
10	7521	WARD	1300
11	7654	MARTIN	1300
12	7876	ADAMS	1100
13	7900	JAMES	1000
14	7369	SMITH	800

#### 11. EMP테이블에서 사원번호가 홀수인 사원들을 조회

1	7369	SMITH	CLERK	7902	80/12/17	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	81/02/20	1600	300	30
3	7521	WARD	SALESMAN	7698	81/02/22	1250	200	30
4	7839	KING	PRESIDENT	(null)	81/11/17	5000	3500	10

#### 12. EMP테이블에서 사원명, 입사일 조회 (단, 입사일은 년도와 월을 분리 추출해서 출력)

1 SMITH	1980	12
2 ALLEN	1981	2
3 WARD	1981	2
4 JONES	1981	4
5 MARTIN	1981	9
6 BLAKE	1981	4
7 CLARK	1981	6
8 SCOTT	1982	10
9 KING	1981	11
10 TURNER	1981	9
11 ADAMS	1983	1
12 JAMES	1981	10
13 FORD	1981	10
14 MILLER	1982	1

#### 13. EMP테이블에서 9월에 입사한 직원의 정보 조회

1	7654 MARTIN	SALESMAN	7698 81/09/28	1250	300	30
2	7844 TURNER	SALESMAN	7698 81/09/08	1500	0	30

#### 14. EMP테이블에서 81년도에 입사한 직원 조회

1	7499	ALLEN	SALESMAN	7698	81/02/20	1600	300	30
2	7521	WARD	SALESMAN	7698	81/02/22	1250	200	30
3	7566	JONES	MANAGER	7839	81/04/02	2975	30	20
4	7654	MARTIN	SALESMAN	7698	81/09/28	1250	300	30
5	7698	BLAKE	MANAGER	7839	81/04/01	2850	(null)	30
6	7782	CLARK	MANAGER	7839	81/06/01	2450	(null)	10
7	7839	KING	PRESIDENT	(null)	81/11/17	5000	3500	10
8	7844	TURNER	SALESMAN	7698	81/09/08	1500	0	30
9	7900	JAMES	CLERK	7698	81/10/03	950	(null)	30
10	7902	FORD	ANALYST	7566	81/10/03	3000	(null)	20

#### 15. EMP테이블에서 이름이 'E'로 끝나는 직원 조회

3224			7 7 7 7 7 7 7	-		
1	7698 BLAKE	MANAGER	7839 81/04/01	2850	(null)	30

#### 16. EMP테이블에서 이름의 세 번째 글자가 'R'인 직원의 정보 조회

16-1. LIKE 사용

#### 16-2. SUBSTR() 함수 사용

1	7521 WARD	SALESMAN	7698 81/02/22	1250	200	30
2	7654 MARTIN	SALESMAN	7698 81/09/28	1250	300	30
3	7844 TURNER	SALESMAN	7698 81/09/08	1500	0	30
4	7902 FORD	ANALYST	7566 81/10/03	3000	(null)	20

#### 17. EMP테이블에서 사번, 사원명, 입사일, 입사일로부터 40년 되는 날짜 조회

1	7369	SMITH	80/12/17	20/12/17
2	7499	ALLEN	81/02/20	21/02/20
3	7521	WARD	81/02/22	21/02/22
4	7566	JONES	81/04/02	21/04/02
5	7654	MARTIN	81/09/28	21/09/28
6	7698	BLAKE	81/04/01	21/04/01
7	7782	CLARK	81/06/01	21/06/01
8	7788	SCOTT	82/10/09	22/10/09
9	7839	KING	81/11/17	21/11/17
10	7844	TURNER	81/09/08	21/09/08
11	7876	ADAMS	83/01/12	23/01/12
12	7900	JAMES	81/10/03	21/10/03
13	7902	FORD	81/10/03	21/10/03
14	7934	MILLER	82/01/23	22/01/23

## 18. EMP테이블에서 입사일로부터 38년 이상 근무한 직원의 정보 조회

1	7369 SMITH	CLERK	7902 80/12/17	800	(null)	20
2	7499 ALLEN	SALESMAN	7698 81/02/20	1600	300	30
3	7521 WARD	SALESMAN	7698 81/02/22	1250	200	30
4	7566 JONES	MANAGER	7839 81/04/02	2975	30	20
5	7698 BLAKE	MANAGER	7839 81/04/01	2850	(null)	30

## 19. 오늘 날짜에서 년도만 추출