[예제]

1. EMPLOYEES 테이블을 사용하여 사원 중에서 급여(SALARY)와 커미션를 합친 금액이 가장 많은 경우와 가장 적은 경우, 평균 금액을 구하세요. 단 출력 금액은 모두 소수점 첫째 자리까지만 나오게 하세요.

SELECT MAX(SALARY+(SALARY*NVL(COMMISSION_PCT,0))) MAX,

MIN(SALARY+(SALARY*NVL(COMMISSION_PCT,0))) MIN,

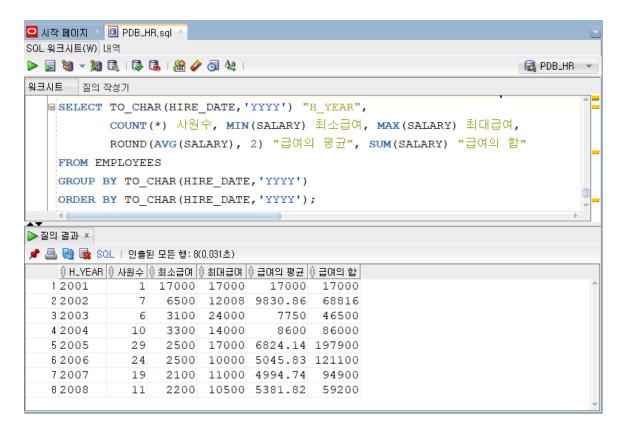
ROUND(AVG(SALARY+(SALARY*NVL(COMMISSION_PCT,0))),1) AVG

FROM EMPLOYEES;

2. EMPLOYEES 테이블에서 아래의 결과를 출력하는 SELECT 문장을 작성하여라.

	∯ H_YEAR	∯ 사원수	∜ 최소급여	∜ 최대급여	∯ 급여의 평균	∯ 급여의 합
1	2001	1	17000	17000	17000	17000
2	2002	7	6500	12008	9830.86	68816
3	2003	6	3100	24000	7750	46500
4	2004	10	3300	14000	8600	86000
5	2005	29	2500	17000	6824.14	197900
6	2006	24	2500	10000	5045.83	121100
7	2007	19	2100	11000	4994.74	94900
8	2008	11	2200	10500	5381.82	59200

SELECT TO_CHAR(HIRE_DATE,'YYYY') "H_YEAR",
COUNT(*) 사원수, MIN(SALARY) 최소급여, MAX(SALARY) 최대급여,
ROUND(AVG(SALARY), 2) "급여의 평균", SUM(SALARY) "급여의 합"
FROM EMPLOYEES
GROUP BY TO_CHAR(HIRE_DATE,'YYYY')
ORDER BY TO_CHAR(HIRE_DATE,'YYYY');

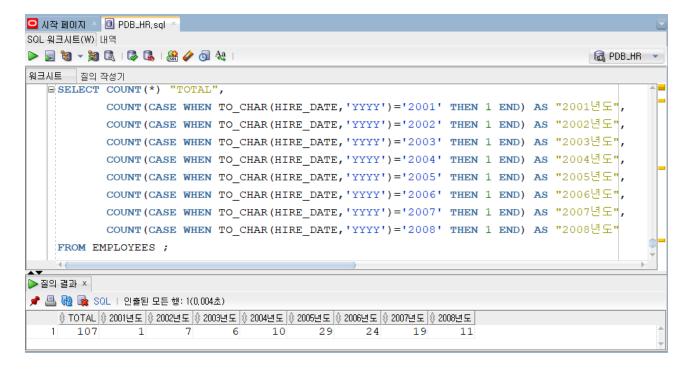


3. EMPLOYEES 테이블에서 아래의 결과를 출력하는 SELECT 문장을 작성하여라.

```
    ♣ TOTAL
    ♣ 2001년도
    ♣ 2002년도
    ♣ 2003년도
    ♣ 2004년도
    ♣ 2005년도
    ♣ 2006년도
    ♣ 2007년도
    ♣ 2008년도

    1
    107
    1
    7
    6
    10
    29
    24
    19
    11
```

```
SELECT COUNT(*) "TOTAL",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2001' THEN 1 END) AS "2001년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2002' THEN 1 END) AS "2002년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2003' THEN 1 END) AS "2003년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2004' THEN 1 END) AS "2004년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2005' THEN 1 END) AS "2005년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2006' THEN 1 END) AS "2006년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2007' THEN 1 END) AS "2007년도",
COUNT(CASE WHEN TO_CHAR(HIRE_DATE,'YYYY')='2008' THEN 1 END) AS "2008년도",
FROM EMPLOYEES;
```



4. EMPLOYEES 테이블에서 아래의 결과를 출력하는 SELECT 문장을 작성하여라.

	DEPTNO 10	⊕ DEPTNO 20 □	DEPTNO 30	DEPTNO 40	DEPTNO 50	⊕ DEPTNO 60	DEPTNO 70	DEPTNO 80	⊕ DEPTNO 90	DEPTNO 100	⊕ DEPTNO 110	⊕ TOTAL
1 AD_VP	0	0	0	0	0	0	0	0	34000	0	0	34000
2 FI_ACCOUNT	0	0	0	0	0	0	0	0	0	39600	0	39600
3 PU_CLERK	0	0	13900	0	0	0	0	0	0	0	0	13900
4 SH_CLERK	0	0	0	0	64300	0	0	0	0	0	0	64300
5 HR_REP	0	0	0	6500	0	0	0	0	0	0	0	6500
6 PU_MAN	0	0	11000	0	0	0	0	0	0	0	0	11000
7 AC_MGR	0	0	0	0	0	0	0	0	0	0	12008	12008
8 ST_CLERK	0	0	0	0	55700	0	0	0	0	0	0	55700
9 AD_ASST	4400	0	0	0	0	0	0	0	0	0	0	4400
10 IT_PROG	0	0	0	0	0	28800	0	0	0	0	0	28800
11 SA_MAN	0	0	0	0	0	0	0	61000	0	0	0	61000
12 AC_ACCOUNT	0	0	0	0	0	0	0	0	0	0	8300	8300
13 FI_MGR	0	0	0	0	0	0	0	0	0	12008	0	12008
14 ST_MAN	0	0	0	0	36400	0	0	0	0	0	0	36400
15 AD_PRES	0	0	0	0	0	0	0	0	24000	0	0	24000
16 MK_MAN	0	13000	0	0	0	0	0	0	0	0	0	13000
17 SA_REP	0	0	0	0	0	0	0	243500	0	0	0	250500
18 MK_REP	0	6000	0	0	0	0	0	0	0	0	0	6000
19 PR REP	0	0	0	0	0	0	10000	0	0	0	0	10000

SELECT JOB_ID, SUM(DECODE(DEPARTMENT_ID,10,SALARY,0)) "DEPTNO 10", SUM(DECODE(DEPARTMENT_ID,20,SALARY,0)) "DEPTNO 20", SUM(DECODE(DEPARTMENT_ID,30,SALARY,0)) "DEPTNO 30", SUM(DECODE(DEPARTMENT_ID,40,SALARY,0)) "DEPTNO 40", SUM(DECODE(DEPARTMENT_ID,50,SALARY,0)) "DEPTNO 50", SUM(DECODE(DEPARTMENT_ID,60,SALARY,0)) "DEPTNO 60", SUM(DECODE(DEPARTMENT_ID,70,SALARY,0)) "DEPTNO 70", SUM(DECODE(DEPARTMENT_ID,80,SALARY,0)) "DEPTNO 80", SUM(DECODE(DEPARTMENT_ID,90,SALARY,0)) "DEPTNO 90", SUM(DECODE(DEPARTMENT_ID,100,SALARY,0)) "DEPTNO 100", SUM(DECODE(DEPARTMENT_ID,110,SALARY,0)) "DEPTNO 110", SUM(SALARY) "TOTAL" FROM EMPLOYEES GROUP BY JOB_ID;

