2019 04 10 Homework 김경수

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# 1. 입사일이 2014년도인 사람의 모든 정보를 검색  -> 1981년도로 변경.
select empno,ename,job,mgr,hiredate,sal,comm,deptno from emp where year(hiredate) = 1981;
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	empno	ename	job	mgr	hiredate	sal	comm	deptno
▶	7499	ALLEN	SALESMAN	7698	1981-02-20 00:00:00	1600	300	30
	7521	WARD	SALESMAN	7698	1981-02-22 00:00:00	1250	500	30
	7566	JONES	MANAGER	7839	1981-04-02 00:00:00	2975	NULL	20
	7654	MARTIN	SALESMAN	7698	1981-09-28 00:00:00	1250	1400	30
	7698	BLAKE	MANAGER	7839	1981-05-01 00:00:00	2850	NULL	30
	7782	CLARK	MANAGER	7839	1981-06-09 00:00:00	2450	NULL	10
	7839	KING	PRESIDENT	NULL	1981-11-17 00:00:00	5000	NULL	10
	7844	TURNER	SALESMAN	7698	1981-09-08 00:00:00	1500	0	30
	7900	JAMES	CLERK	7698	1981-12-03 00:00:00	950	NULL	30
	7902	FORD	ANALYST	7566	1981-12-03 00:00:00	3000	NULL	20

2)

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# 2. 이름중 s자가 들어가 있는 사람만 모든 정보를 검색
select empno,ename,job,mgr,hiredate,sal,comm,deptno from emp where ename like '%s%';
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	empno	ename	job	mgr	hiredate	sal	comm	deptno
▶	7369	SMITH	CLERK	7902	1980-12-17 00:00:00	800	NULL	20
	7566	JONES	MANAGER	7839	1981-04-02 00:00:00	2975	NULL	20
	7788	SCOTT	ANALYST	7566	1987-04-19 00:00:00	3000	NULL	20
	7876	ADAMS	CLERK	7788	1987-05-23 00:00:00	1100	NULL	20
	7900	JAMES	CLERK	7698	1981-12-03 00:00:00	950	NULL	30

3)

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# 3. 커미션이 NULL인 사람의 정보 검색.
select empno,ename,job,mgr,hiredate,sal,comm,deptno from emp where comm is null;
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	empno	ename	job	mgr	hiredate	sal	comm	deptno
▶	7369	SMITH	CLERK	7902	1980-12-17 00:00:00	800	NULL	20
	7566	JONES	MANAGER	7839	1981-04-02 00:00:00	2975	NULL	20
	7698	BLAKE	MANAGER	7839	1981-05-01 00:00:00	2850	NULL	30
	7782	CLARK	MANAGER	7839	1981-06-09 00:00:00	2450	NULL	10
	7788	SCOTT	ANALYST	7566	1987-04-19 00:00:00	3000	NULL	20
	7839	KING	PRESIDENT	NULL	1981-11-17 00:00:00	5000	NULL	10
	7876	ADAMS	CLERK	7788	1987-05-23 00:00:00	1100	NULL	20
	7900	JAMES	CLERK	7698	1981-12-03 00:00:00	950	NULL	30
	7902	FORD	ANALYST	7566	1981-12-03 00:00:00	3000	NULL	20
	7934	MILLER	CLERK	7782	1982-01-23 00:00:00	1300	NULL	10

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4. 각 부서별 급여의 평균,최고,최저,인원수를 구하여 검색
select avg(sal),max(sal),min(sal),count(sal) from emp group by deptno;

	avg(sal)	max(sal)	min(sal)	count(sal)
▶	2916.6666666666665	5000	1300	3
	2175	3000	800	5
	1566.6666666666667	2850	950	6

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5. 30번부서의 연봉을 계산하여 이름,부서번호,급여,연봉(12개월 월급여+연말보너스)를 검색. 연말보너스는 급여의150%
select ename,sal,sal*13.5 from emp where deptno=30;

	ename	sal	sal*13.5
▶	ALLEN	1600	21600
	WARD	1250	16875
	MARTIN	1250	16875
	BLAKE	2850	38475
	TURNER	1500	20250
	JAMES	950	12825

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6. 급여가 $2,000이상인 모든사람은 급여의 15%를 경조비로 내기로 하였다. 이름,급여,경조비(소수점이하절삭)을 검색
select ename, sal, format(sal*0.15,0) from emp where sal>=2000;

	ename	sal	format(sal*0.15,0)
▶	JONES	2975	446
	BLAKE	2850	428
	CLARK	2450	368
	SCOTT	3000	450
	KING	5000	750
	FORD	3000	450

7)

7. 각 부서별 평균월급,전체월급,최고월급,최저월급을 구하여 평균월급이 많은 순으로 검색
select avg(sal),max(sal),min(sal) from emp group by deptno order by avg(sal) desc;

	avg(sal)	max(sal)	min(sal)
▶	2916.6666666666665	5000	1300
	2175	3000	800
	1566.6666666666667	2850	950