

2023-11-27

```
create table tbl_vote_202005(  
  V_jumin char(13) not null primary key,  
  V_name varchar(20),  
  M_no char(1),  
  V_time char(4),  
  V_area char(20),  
  V_confirm char(1)  
);
```

```
CREATE table tbl_member_202005(  
  m_no CHAR(1) not null primary key,  
  m_name varchar(20),  
  p_code char(2),  
  p_school char(1),  
  M_jumin char(13),  
  M_city varchar(20)  
);
```

```
CREATE table party_202005(  
  p_code CHAR(2) not null primary key,  
  p_name varchar(20),  
  p_indate date,  
  p_reader varchar(20),  
  p_tel1 char(3),  
  p_tel2 char(4),  
  p_tel3 char(4)  
);
```

오라클DB에서 테이블 추가

컨트롤 + 엔터로 실행한다. (한줄씩)

```
select * from tbl_party_202005;
```

```

insert into tbl_party_202005 VALUES('p1','A정당','2010-01-01','위대표','02','1111','0001');
insert into tbl_party_202005 VALUES('p2','B정당','2010-02-01','명대표','02','1111','0002');
insert into tbl_party_202005 VALUES('p3','C정당','2010-03-01','기대표','02','1111','0003');
insert into tbl_party_202005 VALUES('p4','D정당','2010-04-01','옥대표','02','1111','0004');
insert into tbl_party_202005 VALUES('p5','E정당','2010-05-01','임대표','02','1111','0005');

insert into tbl_vote_202005 VALUES('99010110001','김유권','1','0930','제1투표장','N');
insert into tbl_vote_202005 VALUES('89010120002','이유권','2','0930','제1투표장','N');
insert into tbl_vote_202005 VALUES('69010110003','박유권','3','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('59010120004','홍유권','4','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('79010110005','조유권','5','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('89010120006','최유권','1','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('59010110007','지유권','1','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('49010120008','장유권','3','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('79010110009','정유권','3','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('89010120010','강유권','4','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('99010110011','신유권','5','0930','제1투표장','Y');
insert into tbl_vote_202005 VALUES('79010120012','오유권','1','1330','제1투표장','Y');
insert into tbl_vote_202005 VALUES('69010110013','현유권','4','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('89010110014','왕유권','2','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('99010110015','유유권','3','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('79010110016','한유권','2','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('89010110017','문유권','4','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('99010110018','양유권','2','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('99010110019','구유권','4','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('79010110020','활유권','5','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('69010110021','배유권','3','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('79010110022','전유권','3','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('99010110023','고유권','1','1330','제2투표장','Y');
insert into tbl_vote_202005 VALUES('59010110024','권유권','3','1330','제2투표장','Y');

insert into tbl_member_202005 VALUES('1','김후보','P1','1','6603011999991','수선화동');
insert into tbl_member_202005 VALUES('2','이후보','P2','3','5503011999992','민들레동');
insert into tbl_member_202005 VALUES('3','박후보','P3','2','7703011999993','나팔꽃동');
insert into tbl_member_202005 VALUES('4','조후보','P4','2','8803011999994','진달래동');
insert into tbl_member_202005 VALUES('5','최후보','P5','3','9903011999995','개나리동');

```

오라클DB에서 데이터 추가

join

2개

```

SELECT s.S_NO, s.S_NAME, s.D_CODE, d.D_NAME FROM STUDENT
s,DEPARTMENT d WHERE s.D_CODE = d.D_CODE;

```

```

SELECT s.S_NO, s.S_NAME, s.D_CODE, d.D_NAME FROM STUDENT s inner join
DEPARTMENT d on s.D_CODE = d.D_CODE;

```

일치하는 값을 출력

둘다 결과는 같지만 밑에꺼를 더 많이 사용함

```
SELECT s.S_NO, s.S_NAME, s.S_SENIOR, s.D_CODE, d.D_NAME
FROM STUDENT s inner join DEPARTMENT d
on s.D_CODE = d.D_CODE
order by s.S_NO asc, s.S_NAME desc;
```

asc: 오름차순

desc: 내림차순

```
SELECT s.S_NO, s.S_NAME, s.D_CODE, d.D_NAME
FROM STUDENT s full outer join DEPARTMENT d
on s.D_CODE = d.D_CODE;
```

full outer join은 다 출력한다.

S_NO	S_NAME	D_CODE	D_NAME
1	17 이진수	com	컴퓨터
2	15 김가람	com	컴퓨터
3	19 황명훈	han	국어
4	16 정다솜	han	국어
5	37 김아름	(null)	(null)

S_NO	S_NAME	D_CODE	D_NAME
1	15 김가람	com	컴퓨터
2	16 정다솜	han	국어
3	17 이진수	com	컴퓨터
4	19 황명훈	han	국어
5	(null)	(null)	영어

left: 오른쪽이 빈값이어도 왼쪽값은 다 가져옴

right: 왼쪽이 빈값이어도 오른쪽값은 다 가져옴

```
SELECT s.S_NO, s.S_NAME, s.D_CODE, d.D_NAME  
FROM STUDENT s, DEPARTMENT d  
where s.D_CODE(+) = d.D_CODE;  
  
SELECT s.S_NO, s.S_NAME, s.D_CODE, d.D_NAME  
FROM STUDENT s right outer join DEPARTMENT d  
on s.D_CODE = d.D_CODE;
```

결과는 동일하다.

```
</section>  
<%@ include file="footer.jsp" %>  
</body>
```

include는 jsp에서 자동으로 연결하고싶을때 사용되는 태그이다.