InnerJoin

1) Display the Cartesian product of the party and candidate table

```
select * from mendoza_party cross join mendoza_candidate;
```

PARTYID	PARTYDESC	LNAME	FNAME	ADDRESS	SALARY	DOB	PARTYID
1	Democrat	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
1	Democrat	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
1	Democrat	gren	cheryl	Berkeley, CA.	-	01-FEB-68	2
1	Democrat	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
1	Democrat	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
1	Democrat	mama	mia	pepper City, UT	60000	01-FEB-68	-
2	Republican	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
2	Republican	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
2	Republican	gren	cheryl	Berkeley, CA.	-	01-FEB-68	2
2	Republican	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
2	Republican	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
2	Republican	mama	mia	pepper City, UT	60000	01-FEB-68	-
3	Independent	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
3	Independent	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
3	Independent	gren	cheryl	Berkeley, CA.	-	01-FEB-68	2
3	Independent	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
3	Independent	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
3	Independent	mama	mia	pepper City, UT	60000	01-FEB-68	-
4	-	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
4	-	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
4	-	gren	cheryl	Berkeley, CA.	-	01-FEB-68	2
4	-	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
4	-	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
4	-	mama	mia	pepper City, UT	60000	01-FEB-68	-

2) Display the lastname and the party description of each individual

```
-- select c.lname, p.partydesc from mendoza_candidate c inner join mendoza_party p on c.partyid=p.partyid;
-- Or simply...
select lname, partydesc from mendoza_candidate natural join mendoza_party;
```

LNAME	PARTYDESC
jennet	Democrat
Green	Democrat
gren	Republican
greeenr	Republican
gran	Independent

3) Display the last name and the party dscription of each individual. If there is not a party description, then display no description. (Use the NVL function)

```
select c.lname,NVL(p.partydesc,'No description') from mendoza_candidate c left join mendoza_party p
on c.partyid=p.partyid;
```

LNAME	NVL(P.PARTYDESC,'NODESCRIPTION')
jennet	Democrat
Green	Democrat
gren	Republican
greeenr	Republican
gran	Independent
mama	No description

4) Display the number of people in each party (display party_description)

```
select p.partydesc,count(c.lname) 'Number of people' from mendoza_party p inner join
mendoza_candidate c on p.partyid=c.partyid;
```

PARTYDESC	COUNT(PARTYID)
Republican	2
Democrat	2
Independent	1

5) Display the number of people in each party for only those parties whose average salary is greater than 50,000. (Identify the party name)

```sql
SELECT partydesc, count(partyid) from mendoza_party natural join mendoza_candidate having avg(salary) > 50000 group by partydesc;
```

no data found