InnerJoin

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

```sql
SELECT * FROM chave_party, chave_candidate;

--Alternative way
SELECT * FROM chave_party CROSS JOIN chave_candidate;
```

	PARTYID	PARTYDESC	LNAME	FNAME	ADDRESS	SALARY	DOB	PARTYID_1
1	1	Democrat	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
2	1	Democrat	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
3	1	Democrat	gren	cheryl	Berkeley, CA.	(null)	01-FEB-68	2
4	1	Democrat	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
5	1	Democrat	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
6	1	Democrat	mama	mia	pepper City, UT	60000	01-FEB-68	(null)
7	2	Republican	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
8	2	Republican	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
9	2	Republican	gren	cheryl	Berkeley, CA.	(null)	01-FEB-68	2
10	2	Republican	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
11	2	Republican	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
12	2	Republican	mama	mia	pepper City, UT	60000	01-FEB-68	(null)
13	3	Independent	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
14	3	Independent	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
15	3	Independent	gren	cheryl	Berkeley, CA.	(null)	01-FEB-68	2
16	3	Independent	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
17	3	Independent	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
18	3	Independent	mama	mia	pepper City, UT	60000	01-FEB-68	(null)
19	4	(null)	jennet	abraham	Berkeley, CA.	20000	01-FEB-60	1
20	4	(null)	Green	abraham	Oakland, CA.	30000	01-FEB-64	1
21	4	(null)	gren	cheryl	Berkeley, CA.	(null)	01-FEB-68	2
22	4	(null)	greeenr	albert	Salt Lake City, UT	40000	01-FEB-70	2
23	4	(null)	gran	anne	Salt Lake City, UT	50000	01-FEB-61	3
24	4	(null)	mama	mia	pepper City, UT	60000	01-FEB-68	(null)

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

```sql
SELECT lname "Last Name", partydesc "Party Description"
FROM chave_party, chave_candidate
WHERE chave_party.partyid=chave_candidate.partyid;
```

	LNAME	PARTYDESC
1	jennet	Democrat
2	Green	Democrat
3	gren	Republican
4	greeenr	Republican
5	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)

```sql
SELECT lname "Last Name", NVL(partydesc,'no description') "Party Description"
FROM chave_party, chave_candidate
WHERE chave_party.partyid=chave_candidate.partyid;
```

	Last Name	Party Description
1	jennet	Democrat
2	Green	Democrat
3	gren	Republican
4	greeenr	Republican
5	gran	Independent

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

```sql
SELECT partydesc "Party Description", COUNT(chave_candidate.partyid) "Number of People"
FROM chave_party, chave_candidate
WHERE chave_party.partyid=chave_candidate.partyid
GROUP BY partydesc;
```

	Party Description	Number of People
1	Republican	2
2	Democrat	2
3	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 "Party Name", COUNT(chave_candidate.partyid) "Number of People"
FROM chave_party, chave_candidate
WHERE chave_party.partyid=chave_candidate.partyid
GROUP BY partydesc
HAVING AVG(salary) > 50000;
```

	Party Name	Number of People