InnerJoin

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

Worksheet | Query Builder

```
SELECT * FROM amele_party, amele_candidate;
```

Query Result

SQL | All Rows Fetched: 24 in 0.043 seconds

	PARTYID	PARTYDESC	LNAME	FNAME	ADDRESS	SALARY	DOB	PARTYID_1
1	1	Democrat	jennet	abraham	Berkeley, CA.	120000	01-FEB-60	1
2	1	Democrat	Green	abraham	Oakland, CA.	130000	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	140000	01-FEB-70	2
5	1	Democrat	gran	anne	Salt Lake City, UT	150000	01-FEB-61	3
6	1	Democrat	mama	mia	pepper City, UT	160000	01-FEB-68	(null)
7	2	Republican	jennet	abraham	Berkeley, CA.	120000	01-FEB-60	1
8	2	Republican	Green	abraham	Oakland, CA.	130000	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	140000	01-FEB-70	2
11	2	Republican	gran	anne	Salt Lake City, UT	150000	01-FEB-61	3
12	2	Republican	mama	mia	pepper City, UT	160000	01-FEB-68	(null)
13	3	Independent	jennet	abraham	Berkeley, CA.	120000	01-FEB-60	1
14	3	Independent	Green	abraham	Oakland, CA.	130000	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	140000	01-FEB-70	2
17	3	Independent	gran	anne	Salt Lake City, UT	150000	01-FEB-61	3
18	3	Independent	mama	mia	pepper City, UT	160000	01-FEB-68	(null)
19	4	(null)	jennet	abraham	Berkeley, CA.	120000	01-FEB-60	1
20	4	(null)	Green	abraham	Oakland, CA.	130000	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	140000	01-FEB-70	2
23	4	(null)	gran	anne	Salt Lake City, UT	150000	01-FEB-61	3
24	4	(null)	mama	mia	pepper City, UT	160000	01-FEB-68	(null)

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

Worksheet Query Builder

```
SELECT lname, partydesc FROM amele_party INNER JOIN amele_candidate USING (partyid);
```

Query Result

SQL | All Rows Fetched: 5 in 0.032 seconds

	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)

Worksheet Query Builder

```
SELECT lname, NVL(partydesc,'No Description') FROM amele_party p JOIN amele_candidate c ON NVL(p.partyid,-1) = NVL(c.partyid,-1);
```

Query Result

SQL | All Rows Fetched: 5 in 0.031 seconds

	LNAME	NVL(PARTYDESC,'NODESCRIPTION')
1	jennet	Democrat
2	Green	Democrat
3	greeenr	Republican
4	gren	Republican
5	gran	Independent

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

Worksheet Query Builder

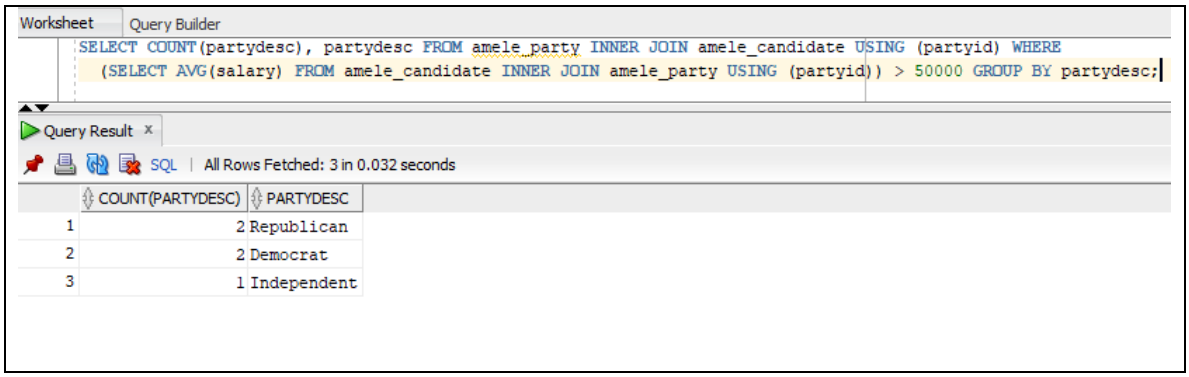
```
SELECT COUNT(partydesc), partydesc FROM amele_party INNER JOIN amele_candidate USING (partyid) GROUP BY partydesc;
```

Query Result

SQL | All Rows Fetched: 3 in 0.04 seconds

	COUNT(PARTYDESC)	PARTYDESC
1	2	Republican
2	2	Democrat
3	1	Independent

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)


Worksheet
Query Builder
SELECT COUNT(partydesc), partydesc FROM amele_party INNER JOIN amele_candidate USING (partyid) WHERE
(SELECT AVG(salary) FROM amele_candidate INNER JOIN amele_party USING (partyid)) > 50000 GROUP BY partydesc;
Query Result
SQL
All Rows Fetched: 3 in 0.032 seconds
COUNT(PARTYDESC)
PARTYDESC
1 2 Republican
2 2 Democrat
3 1 Independent