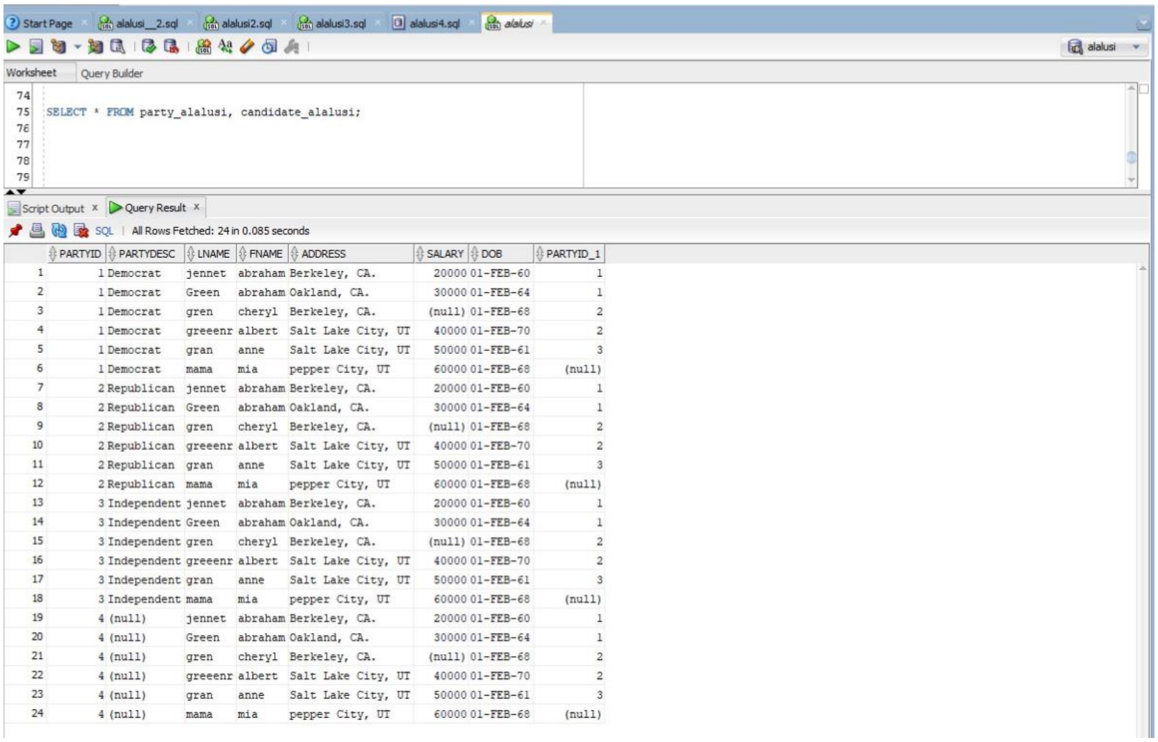
InnerJoin

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

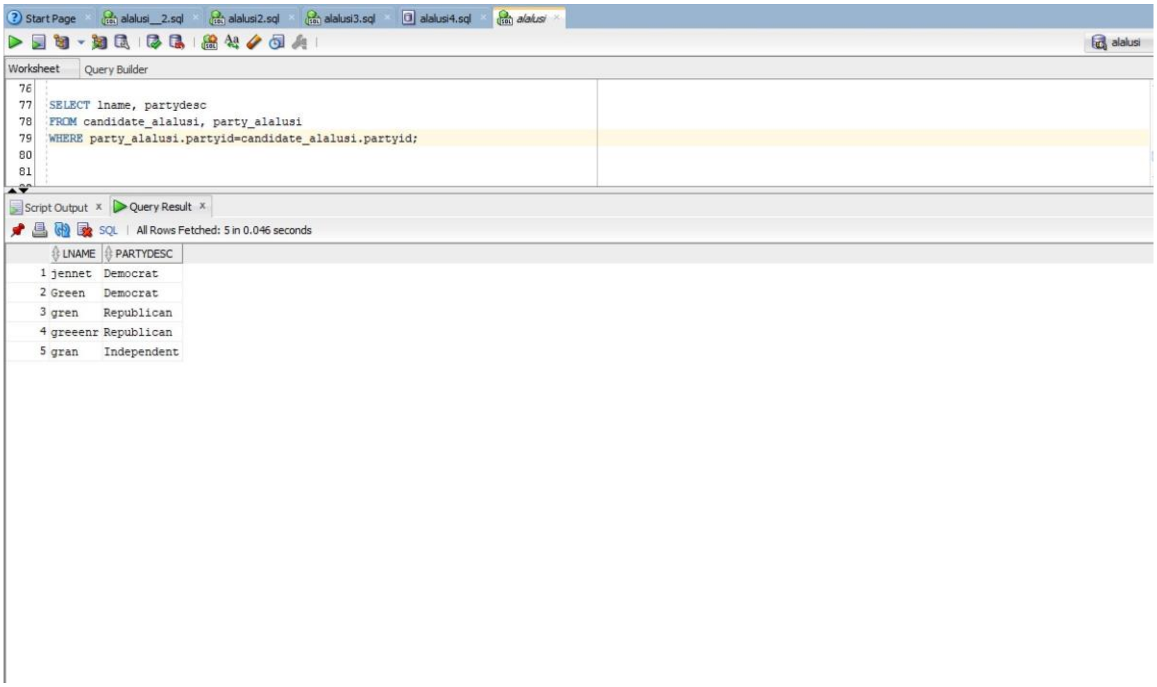


```sql
SELECT * FROM party_alalusi, candidate_alalusi;
```

All Rows Fetched: 24 in 0.085 seconds

	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

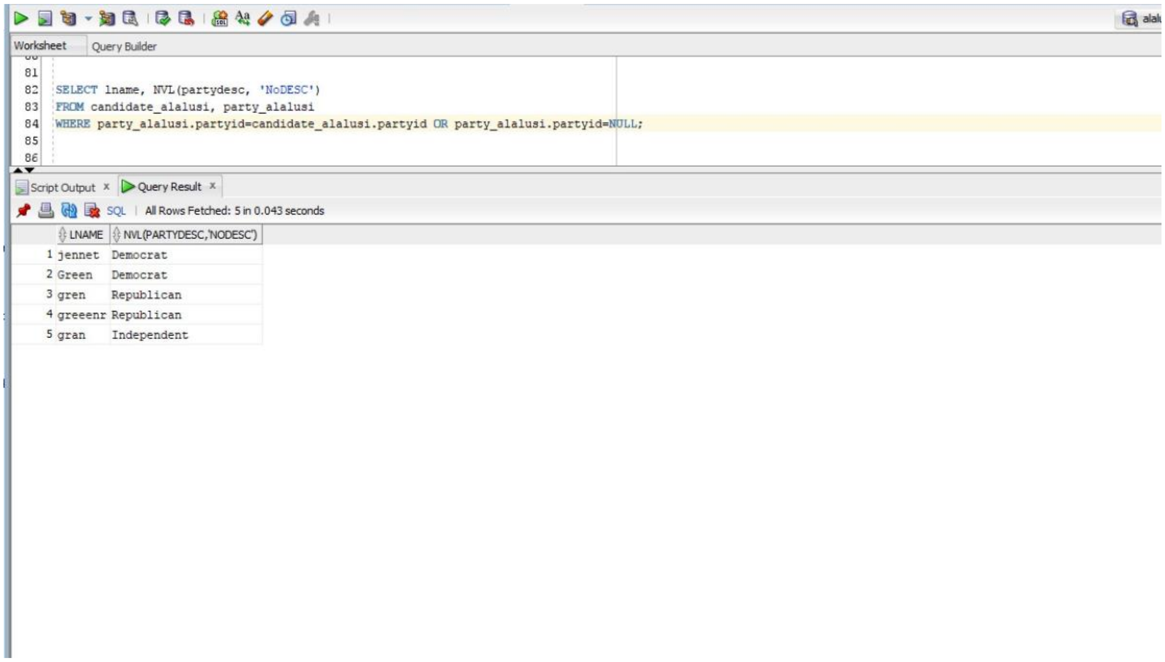


```sql
SELECT lname, partydesc
FROM candidate_alalusi, party_alalusi
WHERE party_alalusi.partyid=candidate_alalusi.partyid;
```

All Rows Fetched: 5 in 0.046 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)

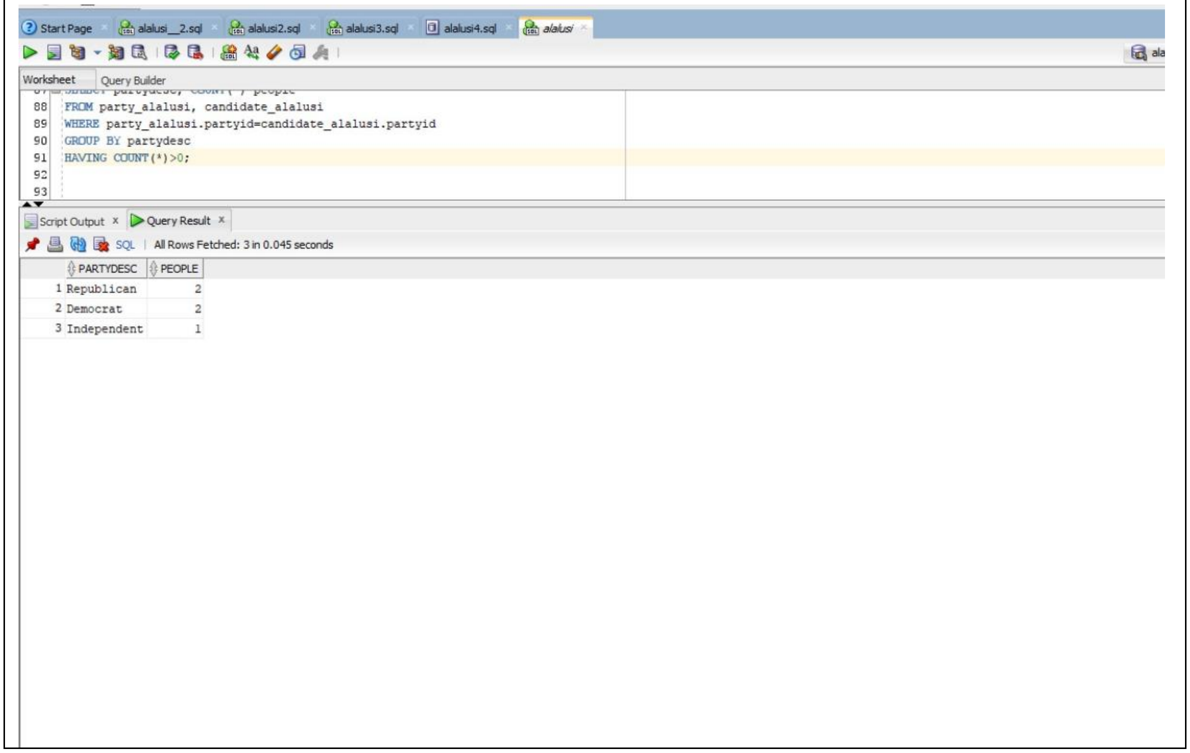


```
SELECT lname, NVL(partydesc, 'NoDESC')
FROM candidate_alalusi, party_alalusi
WHERE party_alalusi.partyid=candidate_alalusi.partyid OR party_alalusi.partyid=NULL;
```

All Rows Fetched: 5 in 0.043 seconds

```
   LNAME   NVL(PARTYDESC,'NODESC')
 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)

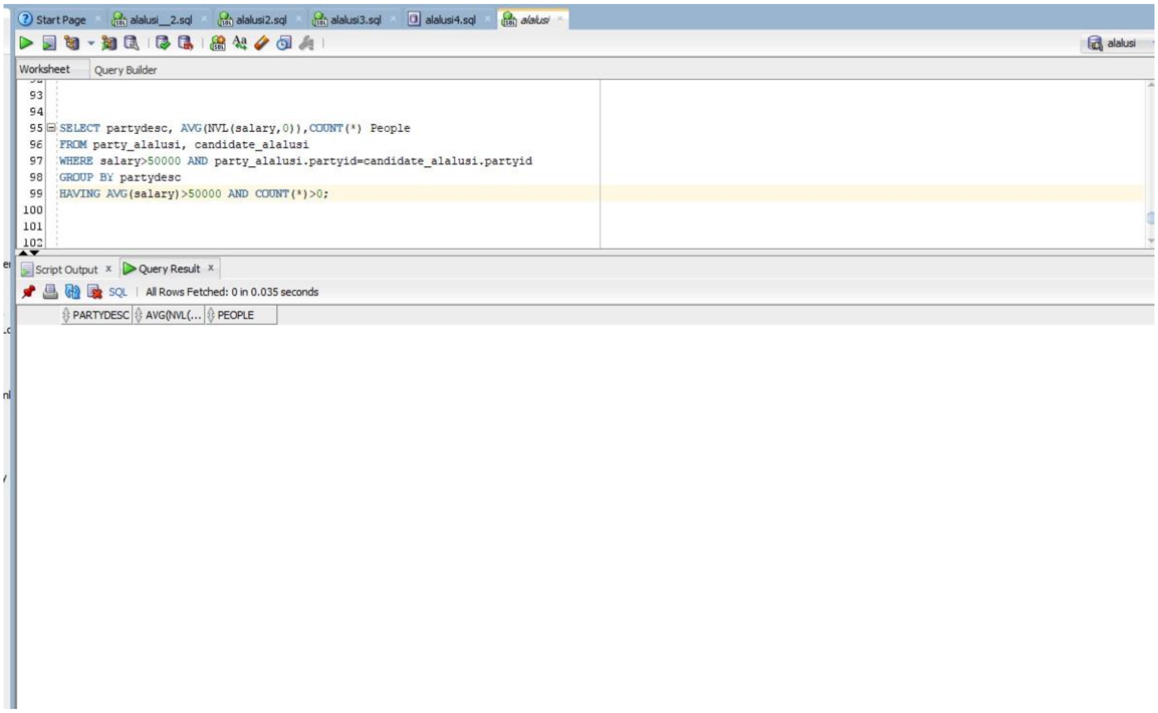


```
SELECT partydesc, COUNT(*) people
FROM party_alalusi, candidate_alalusi
WHERE party_alalusi.partyid=candidate_alalusi.partyid
GROUP BY partydesc
HAVING COUNT(*)>0;
```

All Rows Fetched: 3 in 0.045 seconds

```
   PARTYDESC   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)



```
SELECT partydesc, AVG(NVL(salary,0)),COUNT(*) People
FROM party_alalusi, candidate_alalusi
WHERE salary>50000 AND party_alalusi.partyid=candidate_alalusi.partyid
GROUP BY partydesc
HAVING AVG(salary)>50000 AND COUNT(*)>0;
```

```
All Rows Fetched: 0 in 0.035 seconds

PARTYDESC  AVG(NVL(...  PEOPLE
```