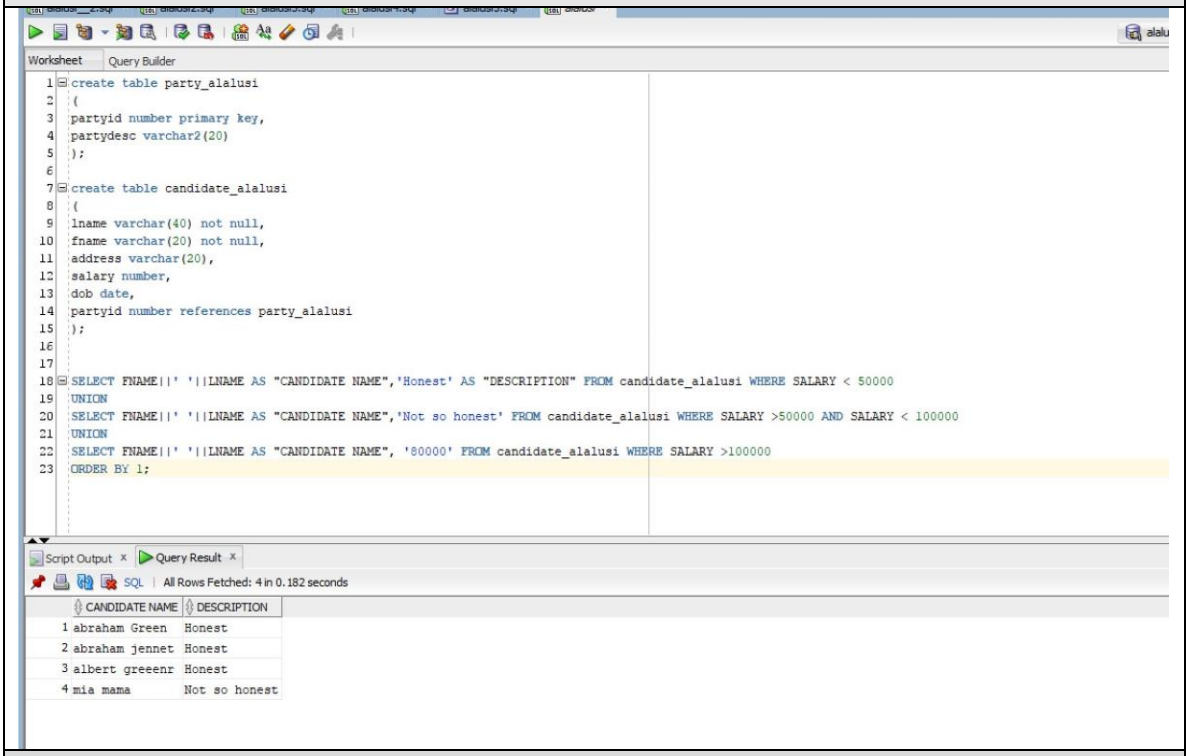
GroupUnion

1) Display the name and the corresponding description based on the candidates salary **(Use union and be cautious of the types) Order by name**

< 50000	Honest
>50000 and < 100000	Not so honest
>100000	80000



```
create table party_alalusi
(
partyid number primary key,
partydesc varchar2(20)
);

create table candidate_alalusi
(
lname varchar(40) not null,
fname varchar(20) not null,
address varchar(20),
salary number,
dob date,
partyid number references party_alalusi
);


SELECT FNAME||' '||LNAME AS "CANDIDATE NAME",'Honest' AS "DESCRIPTION" FROM candidate_alalusi WHERE SALARY < 50000
UNION
SELECT FNAME||' '||LNAME AS "CANDIDATE NAME",'Not so honest' FROM candidate_alalusi WHERE SALARY >50000 AND SALARY < 100000
UNION
SELECT FNAME||' '||LNAME AS "CANDIDATE NAME", '80000' FROM candidate_alalusi WHERE SALARY >100000
ORDER BY 1;
```

Script Output | Query Result | All Rows Fetched: 4 in 0.182 seconds

	CANDIDATE NAME	DESCRIPTION
1	abraham Green	Honest
2	abraham jennet	Honest
3	albert greeenr	Honest
4	mia mama	Not so honest

2) Display the name and the corresponding description based on the candidates salary (**Use a plain case statement in chapter 5)**

< 50000	Honest
>50000 and < 100000	Not so honest
>100000	80000

```
SELECT FNAME||' '||LNAME AS "CANDIDATE NAME", CASE WHEN SALARY < 50000 THEN 'Honest'
WHEN SALARY >50000 AND SALARY < 100000 THEN 'Not so honest'
WHEN SALARY >100000 THEN '800000'
END AS "DESCRIPTION"
FROM candidate_alalusi
ORDER BY 1;
```

Script Output | Query Result | All Rows Fetched: 6 in 0.046 seconds

	CANDIDATE NAME	DESCRIPTION
1	abraham Green	Honest
2	abraham jennet	Honest
3	albert greeenr	Honest
4	anne gran	(null)
5	cheryl gren	(null)
6	mia mama	Not so honest

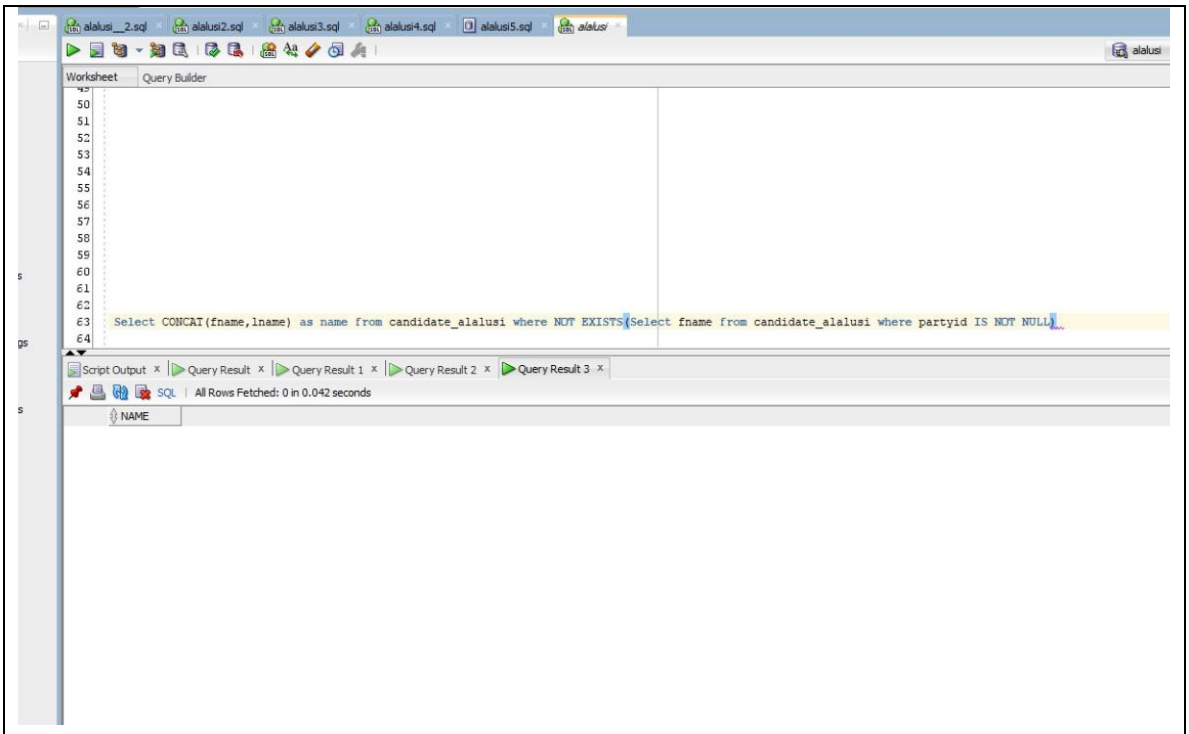
3) Display the name of all the people who are not associated with a party (use not in). This is a bit tricky because people who don't have a party_id will have a null and you cannot compare a null using not in because it doesn't know how to deal with non-data. You can put the party_id in an NVL function in the where clause to resolve this issue

```
SELECT FNAME||' '||LNAME AS "CANDIDATE NAME" FROM candidate_alalusi
WHERE NVL(PARTYID,0) NOT IN(SELECT PARTYID FROM party_alalusi WHERE PARTYDESC='Republican');
SELECT FNAME||' '||LNAME AS "CANDIDATE NAME" FROM candidate_alalusi
WHERE NVL(PARTYID,0) NOT IN(SELECT PARTYID FROM party_alalusi WHERE PARTYDESC='Democrat');
SELECT FNAME||' '||LNAME AS "CANDIDATE NAME" FROM candidate_alalusi
WHERE NVL(PARTYID,0) NOT IN(SELECT PARTYID FROM party_alalusi WHERE PARTYDESC='Independent');
```

Script Output | Query Result | Query Result 1 | Query Result 2 | All Rows Fetched: 5 in 0.034 seconds

	CANDIDATE NAME
1	abraham jennet
2	abraham Green
3	cheryl gren
4	albert greeenr
5	mia mama

4) Repeat question 3 using (not exists)



5) Repeat question 3 using (minus)