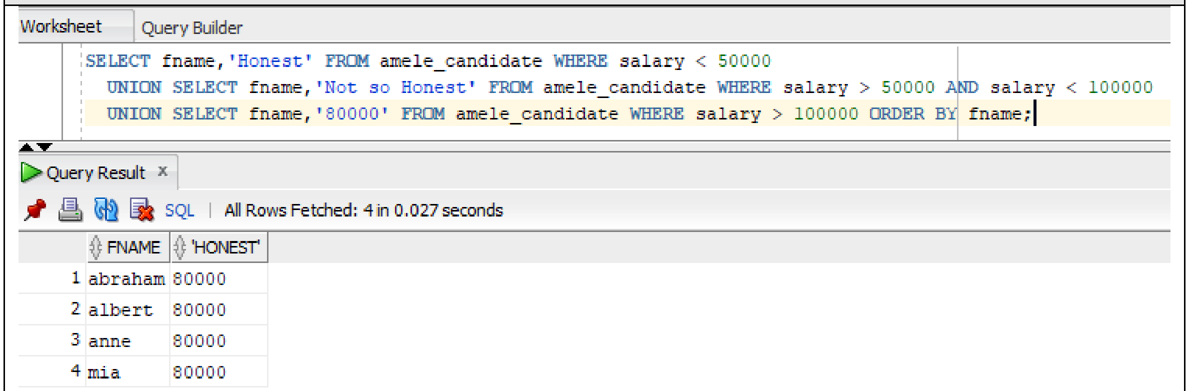
GroupUnion

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



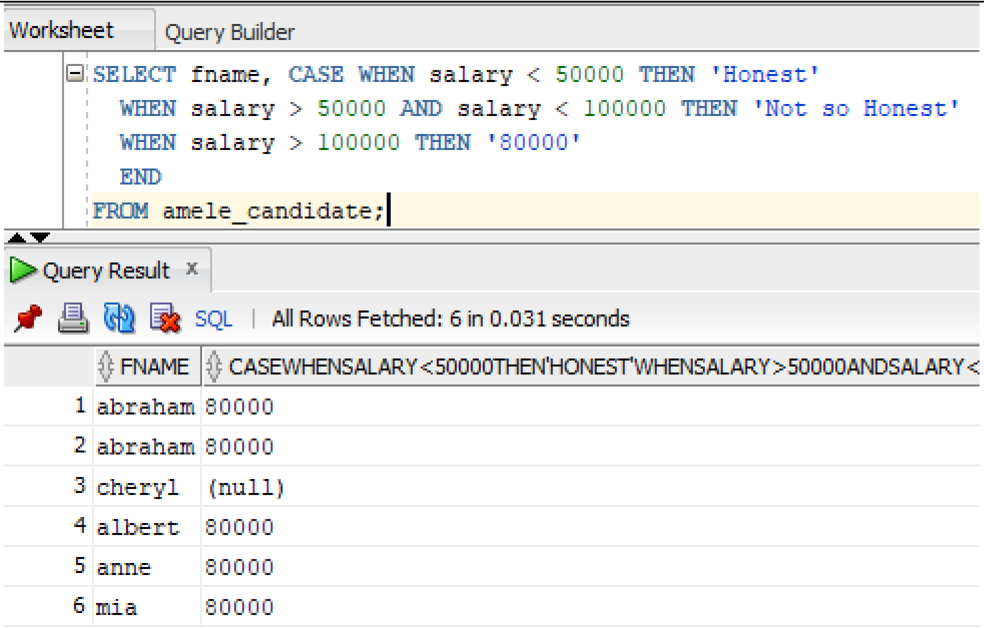
```
SELECT fname,'Honest' FROM amele_candidate WHERE salary < 50000
  UNION SELECT fname,'Not so Honest' FROM amele_candidate WHERE salary > 50000 AND salary < 100000
  UNION SELECT fname,'80000' FROM amele_candidate WHERE salary > 100000 ORDER BY fname;
```

All Rows Fetched: 4 in 0.027 seconds

	FNAME	'HONEST'
1	abraham	80000
2	albert	80000
3	anne	80000
4	mia	80000

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, CASE WHEN salary < 50000 THEN 'Honest'
  WHEN salary > 50000 AND salary < 100000 THEN 'Not so Honest'
  WHEN salary > 100000 THEN '80000'
  END
FROM amele_candidate;
```

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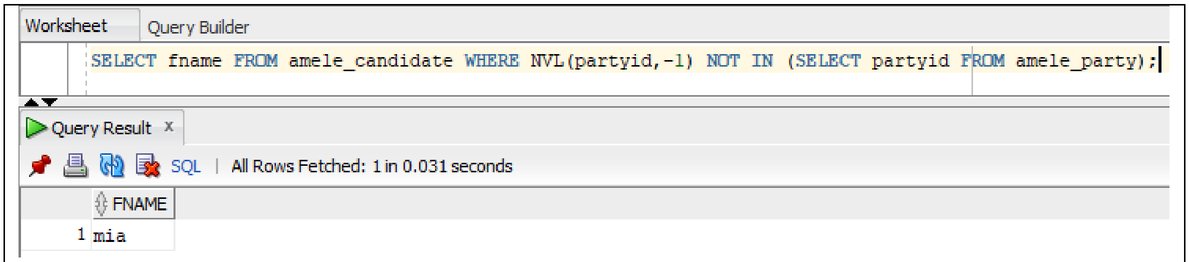
	FNAME	CASEWHENSALARY<50000THEN'HONEST'WHENSALARY>50000ANDSALARY<
1	abraham	80000
2	abraham	80000
3	cheryl	(null)
4	albert	80000
5	anne	80000
6	mia	80000

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

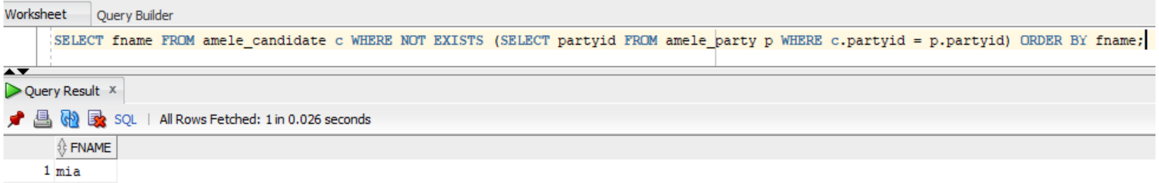


```
SELECT fname FROM amele_candidate WHERE NVL(partyid,-1) NOT IN (SELECT partyid FROM amele_party);
```

```
All Rows Fetched: 1 in 0.031 seconds

  FNAME
1 mia
```

4) Repeat question 3 using (not exists)

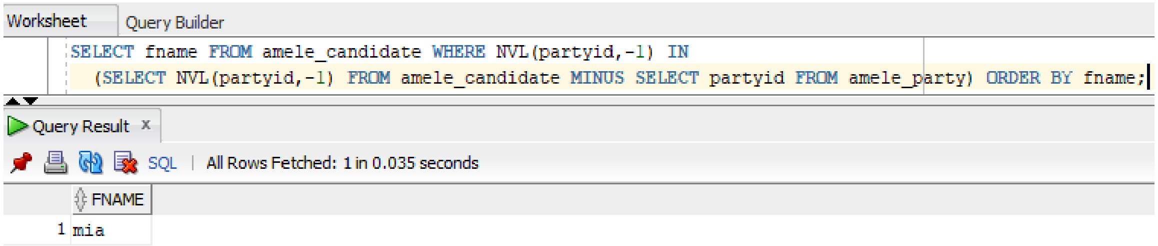


```
SELECT fname FROM amele_candidate c WHERE NOT EXISTS (SELECT partyid FROM amele_party p WHERE c.partyid = p.partyid) ORDER BY fname;
```

```
All Rows Fetched: 1 in 0.026 seconds

  FNAME
1 mia
```

5) Repeat question 3 using (minus)



```
SELECT fname FROM amele_candidate WHERE NVL(partyid,-1) IN
  (SELECT NVL(partyid,-1) FROM amele_candidate MINUS SELECT partyid FROM amele_party) ORDER BY fname;
```

```
All Rows Fetched: 1 in 0.035 seconds

  FNAME
1 mia
```