

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 || ' ' || lname AS "name", 'Honest' AS "description" FROM mendoza_candidate WHERE salary < 50000
UNION
SELECT fname || ' ' || lname AS "name", 'Not so honest' FROM mendoza_candidate WHERE salary > 50000 AND salary < 100000
UNION
SELECT fname || ' ' || lname AS "name", '80000' FROM mendoza_candidate WHERE salary > 100000
ORDER BY "name";
```

	name	description
1	abraham Green	Honest
2	abraham jennet	Honest
3	albert greenr	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 "NAME", CASE WHEN SALARY < 50000 THEN 'Honest'
WHEN SALARY >50000 AND SALARY < 100000 THEN 'Not so honest'
WHEN SALARY >100000 THEN '80000'
END AS "DESCRIPTION"
FROM MENDOZA_CANDIDATE
ORDER BY 1;
```

	NAME	DESCRIPTION
1	abraham Green	Honest
2	abraham jennet	Honest
3	albert greenr	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 CONCAT(fname,lname) as name FROM mendoza_candidate WHERE nvl(partyid, -1) NOT IN  
(SELECT partyid from mendoza_party)
```

NAME
miamama

4) Repeat question 3 using (not exists)

```
SELECT CONCAT(fname,lname) AS name FROM mendoza_candidate WHERE NOT EXISTS  
(SELECT partyid FROM mendoza_party WHERE mendoza_party.partyid = mendoza_candidate.partyid AND mendoza_candidate.partyid is not null);
```

NAME
miamama

5) Repeat question 3 using (minus)

```
Select CONCAT(fname,lname) as name from mendoza_candidate  
MINUS  
Select CONCAT(fname,lname) as name from mendoza_candidate where partyid IS NOT NULL;
```

NAME
miamama