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

```sql
SELECT fname || ' ' || lname AS Name, 'Honest' AS Description FROM chave_candidate WHERE salary < 50000
UNION
SELECT fname || ' ' || lname AS Name, 'Not so honest' FROM chave_candidate WHERE salary > 50000 AND salary < 100000
UNION
SELECT fname || ' ' || lname AS Name, '80000' FROM chave_candidate WHERE salary > 100000
ORDER BY Name;
```

	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

```sql
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 chave_candidate
WHERE salary IS NOT NULL AND salary != 50000 AND salary != 100000
ORDER BY Name;
```

	NAME	DESCRIPTION
1	abraham Green	Honest
2	abraham jennet	Honest
3	albert greeenr	Honest
4	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 Name, 'No party' AS Party
FROM chave_candidate
WHERE NVL(partyid,0) NOT IN (SELECT partyid FROM chave_party);
```

NAME	PARTY
1 mia mama	No party

4) Repeat question 3 using (not exists)

```
SELECT fname || ' ' || lname AS Name, 'No party' AS Party
FROM chave_candidate c
WHERE NOT EXISTS (SELECT * FROM chave_party p WHERE c.partyid = p.partyid);
```

NAME	PARTY
1 mia mama	No party

5) Repeat question 3 using (minus)

```
SELECT fname || ' ' || lname AS Name, 'No party' AS Party FROM chave_candidate
MINUS
SELECT fname || ' ' || lname AS Name, 'No party' FROM chave_candidate WHERE partyid IS NOT NULL;
```

NAME	PARTY
1 mia mama	No party