

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

```
1 create table party_alalusi
2 (
3   partyid number primary key,
4   partydesc varchar2(20)
5 );
6
7 create table candidate_alalusi
8 (
9   lname varchar(40) not null,
10  fname varchar(20) not null,
11  address varchar(20),
12  salary number,
13  dob date,
14  partyid number references party_alalusi
15 );
16
17
18 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME", 'Honest' AS "DESCRIPTION" FROM candidate_alalusi WHERE SALARY < 50000
19 UNION
20 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME", 'Not so honest' FROM candidate_alalusi WHERE SALARY >50000 AND SALARY < 100000
21 UNION
22 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME", '80000' FROM candidate_alalusi WHERE SALARY >100000
23 ORDER BY 1;
```

Script Output x Query Result x

SQL | 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

Worksheet Query Builder

```

28
29 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME", CASE WHEN SALARY < 50000 THEN 'Honest'
30 WHEN SALARY >50000 AND SALARY < 100000 THEN 'Not so honest'
31 WHEN SALARY >100000 THEN '800000'
32 END AS "DESCRIPTION"
33 FROM candidate_alalusi
34 ORDER BY 1;
35
36
37
38
39
40
41
42
43
44
45
46
47
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49
50
51
52
53

```

Script Output x Query Result x

SQL All Rows Fetched: 6 in 0.046 seconds

CANDIDATE 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

Worksheet Query Builder

```

36
37
38
39
40
41 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME" FROM candidate_alalusi
42 WHERE NVL(PARTYID,0) NOT IN(SELECT PARTYID FROM party_alalusi WHERE PARTYDESC='Republican');
43 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME" FROM candidate_alalusi
44 WHERE NVL(PARTYID,0) NOT IN(SELECT PARTYID FROM party_alalusi WHERE PARTYDESC='Democrat');
45 SELECT FNAME||' '||LNAME AS "CANDIDATE NAME" FROM candidate_alalusi
46 WHERE NVL(PARTYID,0) NOT IN(SELECT PARTYID FROM party_alalusi WHERE PARTYDESC='Independent');
47
48
49
50

```

Script Output x Query Result x Query Result 1 x Query Result 2 x

SQL All Rows Fetched: 5 in 0.034 seconds

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

4) Repeat question 3 using (not exists)

alalusi_2.sql alalusi2.sql alalusi3.sql alalusi4.sql alalusi5.sql alalusi

Worksheet Query Builder

```
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63 Select CONCAT(fname,lname) as name from candidate_alalusi where NOT EXISTS (Select fname from candidate_alalusi where partyid IS NOT NULL)  
64
```

Script Output x Query Result x Query Result 1 x Query Result 2 x Query Result 3 x

SQL All Rows Fetched: 0 in 0.042 seconds

NAME

5) Repeat question 3 using (minus)

alalusi_2.sql alalusi2.sql alalusi3.sql alalusi4.sql alalusi5.sql alalusi

Worksheet Query Builder

```
76  
77  
78  
79  
80  
81 Select CONCAT(fname,lname) as name from candidate_alalusi  
82 MINUS  
83 Select CONCAT(fname,lname) as name from candidate_alalusi where partyid IS NOT NULL  
84  
85  
86  
87  
88  
89  
90
```

Script Output x Query Result x Query Result 1 x Query Result 2 x Query Result 3 x Query Result 4 x

SQL All Rows Fetched: 1 in 0.042 seconds

NAME
1 miamama