Group Union

1) How do I approach question 1?

```
A: there are three categories. You will need an SQL statement for each one Select \dots
```

Union

Select ...

Union

Select ...

Each select statement deals with one of the conditions. Make sure that the number of columns and the types of columns match up

2) How do I approach question 3?

A: Candidates who are not associated with a party will have a null for their party id. To use the not in clause you will be using a subquery to connect one table to another

```
Select ... from .. where id not in (select ... from )
```

Notice that in our case, for the given candidate that we want, id will be null. Consider running the following SQL statements to see what happens

```
drop table A;
drop table B;
create table A (fname varchar2(20), id number);
create table B ( id number, description varchar2(20));
insert into A values ('john', 1);
insert into A values ('jack', null);
insert into B values ( 1,'good');
insert into B values ( 2,'bad');
select * from A where id not in (select id from B);
```

You will notice that the select statement will not return anything because not in is looking to find where a value is not matching other values but null is not a value and so it fails. This would mean that you need to replace the null value with something else in order to get the correct results

3) Am I going to have the same issue with question 4 as I did with question 3 as it pertains to nulls?

```
Here is the basic format of the SQL statement Select ... from .. where not exists (...)
Test out the idea with the following
```

```
drop table A;
```

```
drop table B; create table A (fname varchar2(20), id number); create table B ( id number, description varchar2(20)); insert into A values ('john', 1); insert into A values ('jack', null); insert into B values ( 1,'good'); insert into B values ( 2,'bad'); select * from A where not exists (...);
```

4) How do I deal with minus?

Select ... from (Everyone) Minus

Select ... from (Those that have an id)

Make sure the number of columns are the same.