Group Union

1) How do I approach question 1?
   A: there are three categories. You will need an SQL statement for each one
   Select …
   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;

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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.