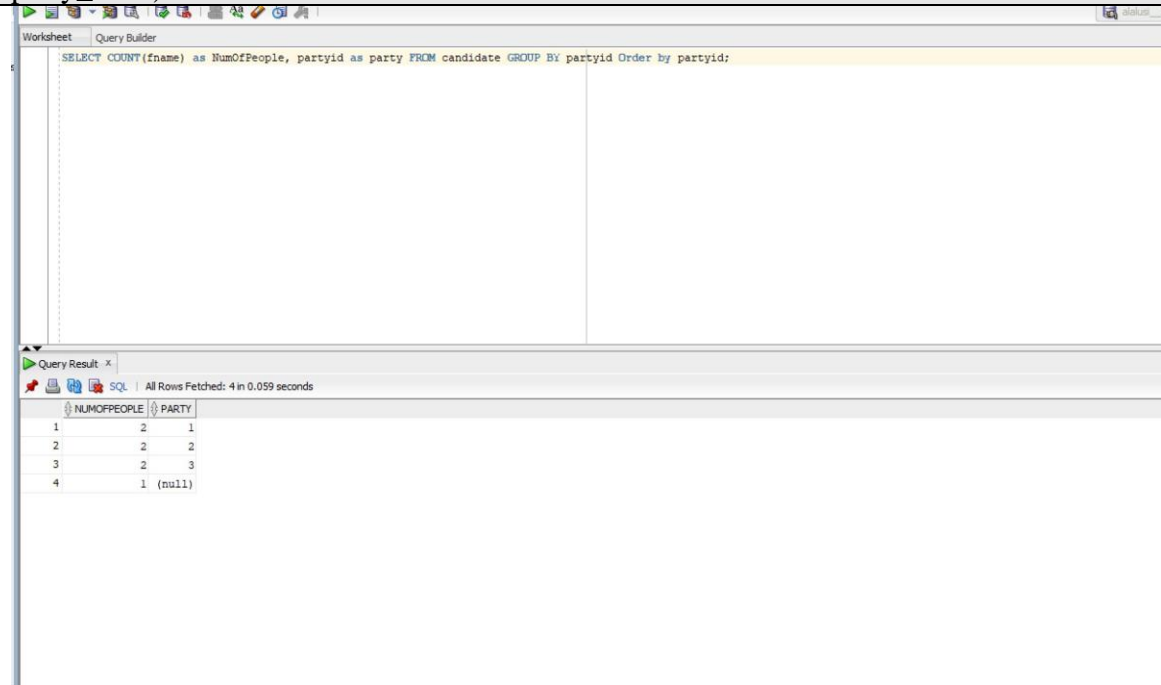


## Group By

Note: Display the party code, not the party description in each of the following

1) Display the number of people in each party. Order by Party. (Make sure to display the party\_code)



The screenshot shows a SQL query builder window with a query editor and a results pane. The query editor contains the following SQL statement:

```
SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate GROUP BY partyid Order by partyid;
```

The results pane displays the query results in a table with two columns: NUMOFPEOPLE and PARTY. The results are as follows:

	NUMOFPEOPLE	PARTY
1	2	1
2	2	2
3	2	3
4	1	(null)

2) Display the number of people in each party whose first name starts with d or r. (Make sure to display the party\_code)

Worksheet Query Builder

```

SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate GROUP BY partyid Order by partyid;
SELECT COUNT(fname) as NumOfPeople ,partyid as party FROM Candidate WHERE fname LIKE 'd%' OR fname LIKE 'r%' GROUP BY partyid;

```

Query Result x

All Rows Fetched: 0 in 0.036 seconds

NUMOFPE...	PARTY
------------	-------

3) Display the average salary for each party (Make sure to display the party\_code)

Worksheet Query Builder

```

SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate GROUP BY partyid Order by partyid;
SELECT COUNT(fname) as NumOfPeople ,partyid as party FROM Candidate WHERE fname LIKE 'd%' OR fname LIKE 'r%' GROUP BY partyid;
SELECT AVG(Salary) ,partyid as party FROM Candidate GROUP BY partyid;

```

Query Result x

All Rows Fetched: 4 in 0.033 seconds

	AVG(SALARY)	PARTY
1	25000	1
2	40000	2
3	60000 (null)	3
4	35000	3

4) Display the number of people in each party where the number of people does not exceed 2

heet Query Builder

```

SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate GROUP BY partyid Order by partyid;

SELECT COUNT(fname) as NumOfPeople ,partyid as party FROM Candidate WHERE fname LIKE 'd%' OR fname LIKE 'r%' GROUP BY partyid;

SELECT AVG(Salary) ,partyid as party FROM Candidate GROUP BY partyid;

SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate WHERE COUNT(fname) <=2 GROUP BY partyid;

```

Query Result x

SQL | Executing:SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate WHERE COUNT(fname) <=2 GROUP BY partyid in 0 seconds

ORA-00934: group function is not allowed here  
 00000 - "group function is not allowed here"  
 \*Cause:  
 \*Action:  
 Error at Line: 7 Column: 75

5) Display the average salary for each party where the average does not exceed 50000

Worksheet Query Builder

```

SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate GROUP BY partyid Order by partyid;

SELECT COUNT(fname) as NumOfPeople ,partyid as party FROM Candidate WHERE fname LIKE 'd%' OR fname LIKE 'r%' GROUP BY partyid;

SELECT AVG(Salary) ,partyid as party FROM Candidate GROUP BY partyid;

SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate WHERE COUNT(fname) <=2 GROUP BY partyid;

SELECT AVG(Salary) ,partyid as party FROM Candidate WHERE AVG(Salary)<=50000 GROUP BY partyid;

```

Query Result x

SQL | Executing:SELECT AVG(Salary) ,partyid as party FROM Candidate WHERE AVG(Salary)<=50000 GROUP BY partyid in 0 seconds

ORA-00934: group function is not allowed here  
 00934. 00000 - "group function is not allowed here"  
 \*Cause:  
 \*Action:  
 Error at Line: 9 Column: 59

6) Create a new table called candidate2 that contains the number of people in each party. Should contain the partycode and the number of people (CAUTION, you have to use an alias for this to work)

```
SELECT COUNT(fname) as NumOfPeople, partyid as party FROM candidate WHERE COUNT(fname) <=2 GROUP BY partyid;  
SELECT AVG(Salary) ,partyid as party FROM Candidate WHERE AVG(Salary)<=50000 GROUP BY partyid;  
SELECT COUNT(fname) as NumOfPeople, partyid as party INTO candidate2 FROM GROUP BY partyid ;
```

Query Result x

 | Executing:SELECT COUNT(fname) as NumOfPeople, partyid as party INTO candidate2 FROM GROUP BY partyid in 0 seconds

-00903: invalid table name  
(3. 00000 - "invalid table name"  
ise:  
ion:  
at Line: 11 Column: 75