Matthew Mendoza

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)

```
SELECT partyid, count(partyid) FROM Mendoza_candidate GROUP BY partyid;
```

```
SQL> -- Question 01
SQL> SELECT partyid, count(partyid) FROM Mendoza_candidate GROUP BY partyid;
```

Select all rows | Save as: CSV

	PARTYID	COUNT(PARTYID)
☑	1	2
☑	2	2
☑		0
☑	3	1

Page 1 of 1 (1-4 of 4 rows)

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

```
SELECT partyid, count(partyid) FROM mendoza_candidate
  WHERE lower(fname) LIKE 'd%' OR lower(fname) LIKE 'r%'
  GROUP BY partyid;
```

Script Output x | Query Result x

SQL | All Rows Fetched: 0 in 0.032 seconds

PARTYID	COUNT(P…

Query Result SQL

```
CSC 134 - Database Management Systems : SELECT partyid, count(partyid) FROM mendoza_candidate
  WHERE lower(fname) LIKE 'd%' OR lower(fname) LIKE 'r%'
  GROUP BY partyid
```

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

```
SELECT partyid, avg(salary) FROM Mendoza_candidate GROUP BY partyid;
```

	PARTYID	AVG(SALARY)
☑	1	25000
☑	2	40000
☑		60000
☑	3	50000

Page 1 of 1 (1-4 of 4 rows)

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

```
SELECT partyid, COUNT(partyid) FROM mendoza_candidate GROUP BY partyid HAVING COUNT(partyid) >= 2;
```

	PARTYID	COUNT(PARTYID)
☑	1	2
☑	2	2

Page 1 of 1 (1-2 of 2 rows)

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

```
SELECT partyid, AVG(salary) FROM mendoza_candidate GROUP BY partyid HAVING AVG(salary) >= 50000;
```

	PARTYID	AVG(SALARY)
☑		60000
☑	3	50000

Page 1 of 1 (1-2 of 2 rows)

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)

```
CREATE TABLE mendoza_candidate2 AS SELECT partyid, COUNT(*) party_count FROM mendoza_candidate GROUP BY partyid;
```

```
SQL> CREATE TABLE mendoza_candidate2 AS SELECT partyid, COUNT(*) party_count FROM mendoza_candidate GROUP BY partyid;

TABLE created.
```

table MENDOZA_CANDIDATE2 created.