

## Lab 2

### 1. Display the number of students their name is “Mohammed”

```
testdb=# select count(e_name) from student where e_name = 'Mohamed';
count
-----
      1
(1 row)
```

### 2. Display the number of males and females.

```
testdb=# select gender, count(*) AS count from student group by gender;
gender | count
-----+-----
Female |      1
Male   |      2
(2 rows)
```

### 3. Display the repeated first names and their counts if higher than 2.

```
testdb=# select e_name, count(*) AS name_count from student group by e_name having
count(*)>2 order by name_count desc;
e_name | name_count
-----+-----
(0 rows)
```

### 4. Display all students and track name they belong to.

```
testdb=# select s.e_name, t.track_name from student s join track t on s.track_id =
t.id order by s.e_name;
e_name | track_name
-----+-----
John Smith | Python
Mohamed   | Machine Learning
Nada      | Python
(3 rows)
```

### 5. Display all students except those who are in OS track.

```
testdb=# select s.id, s.e_name, t.track_name from student s left join track t on s
.track_id = t.id where t.track_name != 'OS';
id | e_name | track_name
---+-----+-----
 2 | John Smith | Python
 3 | Mohamed   | Machine Learning
(2 rows)
```