

Week 11 Lab

Due Nov 2, 2022 by 7:35pm **Points** 48 **Submitting** a file upload **File Types** sql
Available until Nov 2, 2022 at 7:35pm

This assignment was locked Nov 2, 2022 at 7:35pm.

Use the Art School Database ([art_school.sql](#)

<https://calstatela.instructure.com/courses/80633/files/11500738?wrap=1>) 

https://calstatela.instructure.com/courses/80633/files/11500738/download?download_frd=1) to write the following queries. For this exercise, please submit an SQL script **lab11.sql**, and make sure that you include the questions in the script as SQL comments. For example:

```
-- 1. Find the names of the students who are not in any group.  
  
select ...
```

Note that you may only use one SQL statement for each query, and you may only use information provided in the problem in the query. For example, if the problem says "Minnows", you can only use the group name `Minnows` in the query instead of the group id 1.

1. Find the names of the students who are not in any group.
2. Find the names of the students who are in the group Minnows.
3. List the name, age, parent name, and parent email of the students. The column names of the results should be Name, Age, Parent, and Email. Note that age is calculated as (current year - birth year).
4. List the names of the students and the name of the group each student is in. The column names of the results should be Student Name and Group Name. If a student is not in a group, the group name column should show NULL.
5. List the names of the groups and the number of students in each group. The result should show 0 for groups that do not have any students.
6. Find the names of the groups that are not full. A group is not full if the number of students in the group is less than its max size. HINT: first write a query to get the group name, max size, and the number of students in each group, then use this query as a subquery and select the groups whose max size is greater than the number of students.