

# CS1555 Recitation 7

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Objective:

1. To practice more SQL queries on PostgreSQL.
  2. To practice Views
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## **PART 1:**

Before we start:

- Download the SQL script studentdb.sql through an sFTP client (such as FileZilla) from the machine “class3.cs.pitt.edu” at the directory:
    - `/afs/pitt.edu/home/r/a/raa88/public/studentdb.sql`
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1. For each course a student from ‘CS’ major has repeated, list the student id and course number.

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2. List the sid(s) and names of the students who have not taken the course “Web Applications”.

--Solution 1:

--Solution 2:

--Solution 3:

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3. Find the top 3 students with the highest GPAs.

Is there another way to do that?

4. Find the sid and GPA of the top 1 student whose GPA is greater than the student whose sid is 123.

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5. Create a view called STUDENT\_COURSES that lists the sid(s), student names, number of courses in the COURSE\_TAKEN table.

6. Rank the students (sid and name) based on their GPA. Can we do something simpler?

Is there another way to do that?