

# CS1555 Recitation 6

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**Objective:** To practice SQL queries on PostgreSQL.

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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. Find the address and phone number of the student whose SID is 123

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2. List all the courses offered in ‘Spring 11’.

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3. List the student ID and course number for every student who took a course in Fall 10 but has not received a grade yet.

4. List the SIDs *and GPAs* of the students whose GPAs are greater than 3.7. List them in the descending order of the GPAs.

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5. List the SIDs of all the students and the number of courses they have taken.

What if we want names too?

How about another way?

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6. Now insert a tuple into the Student table:

```
insert into student values (130, 'Peter', 1, 'CS', '????');
```

Then run the query 5 again. How can we include this new student in the result, with 0 as the number of classes he has taken?

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7. For each course a student has repeated, list the studentID and course number.