

# INLS 560 - Assignment 2: Advanced SQL

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**Date Assigned: Tues. Jan 27, 2015**

**Completion Date: Tues. Feb 3, 2015 (midnight)**

## **Software issues:**

If you feel there are mistakes in this assignment, check the web page and Sakai for corrections, and report them to us if they have not been made.

1. Discuss how each of the following constructs is used in SQL, and discuss the various options for each construct. Specify what each construct is useful for.
  - a. a. Nested queries.
  - b. b. Joined tables and outer joins.
  - c. c. Aggregate functions and grouping.

The following questions use the inls\_623 database.

2. Find the name and age of the oldest sailor
3. Find the names of sailors who are older than the oldest sailor with a rating of 3.
4. Find the SIDs of suppliers who supply a red part or a green part.
5. For each part, find the name of the supplier who charges the most for that part.
6. What's the minimum price of all green parts?
7. Find sailors with better rating than sailor 'jones'
8. Find the age of the youngest sailor who is eligible to vote for each rating level that has less than two sailors

9. Find the age of the youngest sailor who is eligible to vote for each rating level that has less than two sailors [and that doesn't have any sailors over 60.

The following questions use the classicmodels database.

1. Create a view that shows all employees who work in France
2. Create a view that shows all employees who work in the USA
3. Query the view to show all employees who work in the Boston office
4. Find all customers for each employee.
5. Find all orders for each customer.
6. Find all customers where their names start with D
7. Find all customers who are not located in the USA.

### Getting Help

If you have trouble, please post a question on Piazza before contacting me. Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce our burden and help you "teach" your fellow students.

Good luck!