

# Applying SQL #5

(30 pts, estimated time: 90 minutes)

## Background

This exercise has you use material up through Chapter 9 of our Oracle SQL text. You'll again use the STUDENT and ISSUE25 schemas.

## Tasks

1. Launch *SQL\*Plus* and connect to our database.
2. Spool the results of your session to a file.
3. Issue the following commands:  
`SQL> set linesize 110`  
`SQL> set pagesize 60`  
`SQL> SELECT user FROM dual;`
4. Develop a query that shows, for each article longer than 2500 words, the author (eg: Cox, Kelly), the article's title and length. Sort the rows by the author's full name.
5. Modify the previous query so it shows *every* writer, including those who have not written an article longer than 2500 words, as illustrated below. *Do not use a subquery. Do not use set operators.* Since we recently added you as a writer, you'll be shown as well.
6. Modify the previous query so it shows *only* writers who *have not* written an article longer than 2500 words, as illustrated below. Show only those writers who have not written an article longer than 2500 words. *Do not use a subquery. Do not use set operators.* Since we recently added you as a writer, you'll be shown as well.
7. Courses whose course number is less than 100 are *remedial* classes. For every instructor, show the instructor's last name, section\_id, course\_number and capacity of any remedial sections they're teaching. Use the INNER JOIN syntax.
8. Modify the previous query to use the OUTER JOIN syntax so it shows *every* instructor, even those who have not been assigned to a remedial section. *Do not use a subquery. Do not use set operators.*
9. Modify the previous query so it employs the Oracle outer join symbol (+). This modified query must produce the same results as the previous step. *Do not use a subquery. Do not use set operators.*
10. For courses having a prerequisite, show the course's number, description, and the cost of its prerequisite course. Sort the rows by course number. *Do not use a subquery. Do not use set operators.*
11. Turn off spooling.
12. Open your spooled text file and delete any erroneous commands and their resulting output.
13. Type the task number to identify each command.
14. Save and print your edited text file.

## OUTPUT FOR TASK 5

AUTHOR	TITLE	LENGTH
Cohen, Julia Rice		
Cox, Kelly		
Epstein, Diane		
Hall, Valerie	The BCCI Scandal	2779
Johnson, Leroy W.		
Kim, Chong		
Kim, Chong		
Lawton, Pat	Law Over the Past 25 Years	2834
Leavitt, Morris		
Martinez, Maria	Bush Finally Wins!	6533
Martinez, Santos		
Ngo, Thuy	Advertising Over the Past 25 Years	3285
Nilsson, Tonya		
Seeger, Wilhelm		
Waldeck, Kristine		
Yamamura, Shinjiro		

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**OUTPUT FOR TASK 6**

AUTHOR	TITLE	LENGTH
Cohen, Julia Rice		
Cox, Kelly		
Epstein, Diane		
Johnson, Leroy W.		
Kim, Chong		
Kim, Chong		
Leavitt, Morris		
Martinez, Santos		
Nilsson, Tonya		
Seeger, Wilhelm		
Waldeck, Kristine		
Yamamura, Shinjiro		