



## CPRG 250

### Lab Module 4 Part 3

Create the SQL script for the following questions using the JustLee Books database.  
**Create a spool file that includes all of your SQL commands along with the results.**  
Submit the script AND spool file via D2L.

1. Add the following lines to your script:

```
set echo on
set linesize 132
set pagesize 66
```

2. Problem Description: List the last names of all customers, their orders (including book title) and the gifts associated with each book on the order.  
2a. Solve using Traditional Join.

2b. Solve using JOIN...ON

Expected Output:

FIRSTNAME	LASTNAME	ORDER#	ITEM#	TITLE	GIFT
KENNETH	FALAH	1004	1	PAINLESS CHILD-REARING	FREE SHIPPING
KENNETH	FALAH	1015	1	COOKING WITH MUSHROOMS	BOOK LABELS
TAMMY	GIANA	1007	1	HOLY GRAIL OF ORACLE	FREE SHIPPING
TAMMY	GIANA	1007	2	E-BUSINESS THE EASY WAY	BOOK COVER
TAMMY	GIANA	1007	3	BIG BEAR AND LITTLE DOVE	BOOKMARKER
TAMMY	GIANA	1007	4	DATABASE IMPLEMENTATION	BOOK COVER
TAMMY	GIANA	1014	1	REVENGE OF MICKEY	BOOK LABELS
CINDY	GIRARD	1000	1	COOKING WITH MUSHROOMS	BOOK LABELS
CINDY	GIRARD	1009	1	COOKING WITH MUSHROOMS	BOOK LABELS
CINDY	GIRARD	1009	2	REVENGE OF MICKEY	BOOK LABELS
KENNETH	JONES	1020	1	COOKING WITH MUSHROOMS	BOOK LABELS
JASMINE	LEE	1013	1	DATABASE IMPLEMENTATION	BOOK COVER
JAKE	LUCAS	1001	1	HOW TO MANAGE THE MANAGER	BOOK COVER
JAKE	LUCAS	1001	2	PAINLESS CHILD-REARING	FREE SHIPPING
JAKE	LUCAS	1011	1	PAINLESS CHILD-REARING	FREE SHIPPING
REESE	MCGOVERN	1002	1	DATABASE IMPLEMENTATION	BOOK COVER
GREG	MONTIASA	1005	1	SHORTEST POEMS	BOOK COVER
GREG	MONTIASA	1019	1	REVENGE OF MICKEY	BOOK LABELS
BONITA	MORALES	1003	1	DATABASE IMPLEMENTATION	BOOK COVER
BONITA	MORALES	1003	2	BODYBUILD IN 10 MINUTES A DAY	BOOK COVER
BONITA	MORALES	1003	3	COOKING WITH MUSHROOMS	BOOK LABELS
BONITA	MORALES	1018	1	COOKING WITH MUSHROOMS	BOOK LABELS
BONITA	MORALES	1018	2	DATABASE IMPLEMENTATION	BOOK COVER
BECCA	NELSON	1012	1	BIG BEAR AND LITTLE DOVE	BOOKMARKER
BECCA	NELSON	1012	2	HANDCRANKED COMPUTERS	BOOK LABELS
BECCA	NELSON	1012	3	PAINLESS CHILD-REARING	FREE SHIPPING
BECCA	NELSON	1012	4	REVENGE OF MICKEY	BOOK LABELS
THOMAS	PIERSON	1008	1	COOKING WITH MUSHROOMS	BOOK LABELS
STEVE	SCHELL	1017	1	BIG BEAR AND LITTLE DOVE	BOOKMARKER
JENNIFER	SMITH	1010	1	DATABASE IMPLEMENTATION	BOOK COVER
LEILA	SMITH	1006	1	E-BUSINESS THE EASY WAY	BOOK COVER
LEILA	SMITH	1016	1	PAINLESS CHILD-REARING	FREE SHIPPING

32 rows selected.

SQL> ^C

3. Problem Description: Create a unique list of customers and the authors they have read (e.g. no duplicate author names).

3a. Solve using Traditional join.

3b. Solve using NATURAL JOIN

3c. Solve using JOIN ...USING

3d. Solve using JOIN...ON

Expected output:

Customer Name	Author Name
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BECCA NELSON	JACK BAKER
BECCA NELSON	JANICE JONES
BECCA NELSON	LISA WHITE
BECCA NELSON	OSCAR FIELDS
BECCA NELSON	ROBERT ROBINSON
BECCA NELSON	WILLIAM WHITE
BONITA MORALES	JACK BAKER
BONITA MORALES	JAMES AUSTIN
BONITA MORALES	JUAN ADAMS
BONITA MORALES	LISA PORTER
BONITA MORALES	SAM SMITH
BONITA MORALES	TINA PETERSON
CINDY GIRARD	JACK BAKER
CINDY GIRARD	JANICE JONES
GREG MONTIASA	JANICE JONES
GREG MONTIASA	LISA WHITE
JAKE LUCAS	JACK BAKER
JAKE LUCAS	OSCAR FIELDS
JAKE LUCAS	ROBERT ROBINSON
JAKE LUCAS	WILLIAM WHITE
JASMINE LEE	JAMES AUSTIN
JASMINE LEE	JUAN ADAMS
JASMINE LEE	TINA PETERSON
JENNIFER SMITH	JAMES AUSTIN
JENNIFER SMITH	JUAN ADAMS
JENNIFER SMITH	TINA PETERSON
KENNETH FALAH	JACK BAKER
KENNETH FALAH	OSCAR FIELDS
KENNETH FALAH	ROBERT ROBINSON
KENNETH JONES	JACK BAKER
LEILA SMITH	JACK BAKER
LEILA SMITH	JANICE JONES
LEILA SMITH	OSCAR FIELDS
LEILA SMITH	ROBERT ROBINSON
REESE MCGOVERN	JAMES AUSTIN
REESE MCGOVERN	JUAN ADAMS
REESE MCGOVERN	TINA PETERSON
STEVE SCHELL	ROBERT ROBINSON
TAMMY GIANA	JAMES AUSTIN
TAMMY GIANA	JANICE JONES
TAMMY GIANA	JUAN ADAMS
TAMMY GIANA	ROBERT ROBINSON
TAMMY GIANA	TINA PETERSON
THOMAS PIERSON	JACK BAKER
44 rows selected.	

4. Show ALL authors and the books they have written. Don't forget to include authors that haven't finished writing their book yet. Include author last name, author first name and book title.

Expected output:

FNAME	LNAME	TITLE
JUAN	ADAMS	DATABASE IMPLEMENTATION
JAMES	AUSTIN	DATABASE IMPLEMENTATION
JAMES	AUSTIN	HOLY GRAIL OF ORACLE
JACK	BAKER	COOKING WITH MUSHROOMS
JACK	BAKER	PAINLESS CHILD-REARING
OSCAR	FIELDS	PAINLESS CHILD-REARING
JANICE	JONES	E-BUSINESS THE EASY WAY
JANICE	JONES	REVENGE OF MICKEY
TAMARA	KZOSCHSKY	BUILDING A CAR WITH TOOTHPICKS
SHEILA	MARTINEZ	
TINA	PETERSON	DATABASE IMPLEMENTATION
LISA	PORTER	BODYBUILD IN 10 MINUTES A DAY
ROBERT	ROBINSON	BIG BEAR AND LITTLE DOVE
ROBERT	ROBINSON	PAINLESS CHILD-REARING
SAM	SMITH	BODYBUILD IN 10 MINUTES A DAY
SAM	SMITH	HOW TO GET FASTER PIZZA
SAM	SMITH	THE WOK WAY TO COOK
LISA	WHITE	HANDCRANKED COMPUTERS
LISA	WHITE	SHORTEST POEMS
WILLIAM	WHITE	HANDCRANKED COMPUTERS
WILLIAM	WHITE	HOW TO MANAGE THE MANAGER
ANTHONY	WILKINSON	

22 rows selected.