

Hands-On Assignment# 3

To determine the exact name of fields used in the tables for these exercises, refer to the tables in the **JustLee Books** database, or use the DESCRIBE tablename command to view the table's structure.

1. Display a list of all data contained in the BOOKS table.

Answer.

```
DESC BOOKS;
SELECT * FROM books;
```

ISBN	TITLE	PUBDATE	PUBID	COST	RETAIL	DISCOUNT	CATEGORY
1 1059831198	BODYBUILD IN 10 MINUTES A DAY	21-01-05	4	18.75	30.95	(null)	FITNESS
2 0401140733	REVENGE OF MICKEY	14-12-05	1	14.2	22	(null)	FAMILY LIFE
3 4981341710	BUILDING A CAR WITH TOOTHPICKS	18-03-06	2	37.8	59.95	3	CHILDREN
4 8843172113	DATABASE IMPLEMENTATION	04-06-03	3	31.4	55.95	(null)	COMPUTER
5 3437212490	COOKING WITH MUSHROOMS	28-02-04	4	12.5	19.95	(null)	COOKING
6 3957136468	HOLY GRAIL OF ORACLE	31-12-05	3	47.25	75.95	3.8	COMPUTER
7 1915762492	HANDCRANKED COMPUTERS	21-01-05	3	21.8	25	(null)	COMPUTER
8 9959789321	E-BUSINESS THE EASY WAY	01-03-06	2	37.9	54.5	(null)	COMPUTER
9 2491748320	PAINLESS CHILD-REARING	17-07-04	5	48	89.95	4.5	FAMILY LIFE
10 0299282519	THE WOK WAY TO COOK	11-09-04	4	19	28.75	(null)	COOKING
11 8117949391	BIG BEAR AND LITTLE DOVE	08-11-05	5	5.32	8.95	(null)	CHILDREN
12 0132149871	HOW TO GET FASTER PIZZA	11-11-06	4	17.85	29.95	1.5	SELF HELP
13 9247381001	HOW TO MANAGE THE MANAGER	09-05-03	1	15.4	31.95	(null)	BUSINESS
14 2147428890	SHORTEST POEMS	01-05-05	5	21.85	39.95	(null)	LITERATURE

2. List the title only of all books available in inventory, using the BOOKS table.

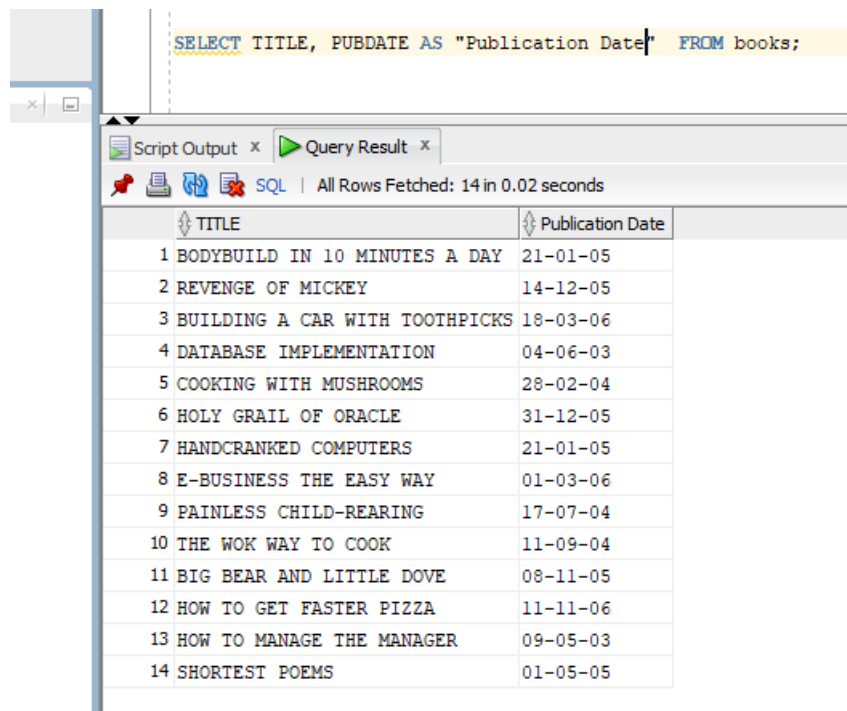
Answer.

```
SELECT TITLE FROM books;
```

TITLE
1 BODYBUILD IN 10 MINUTES A DAY
2 REVENGE OF MICKEY
3 BUILDING A CAR WITH TOOTHPICKS
4 DATABASE IMPLEMENTATION
5 COOKING WITH MUSHROOMS
6 HOLY GRAIL OF ORACLE
7 HANDCRANKED COMPUTERS
8 E-BUSINESS THE EASY WAY
9 PAINLESS CHILD-REARING
10 THE WOK WAY TO COOK
11 BIG BEAR AND LITTLE DOVE
12 HOW TO GET FASTER PIZZA
13 HOW TO MANAGE THE MANAGER
14 SHORTEST POEMS

3. List the title and publication date for each book in the BOOKS table. Use the column heading "Publication Date" for the Pubdate field.

Answer.

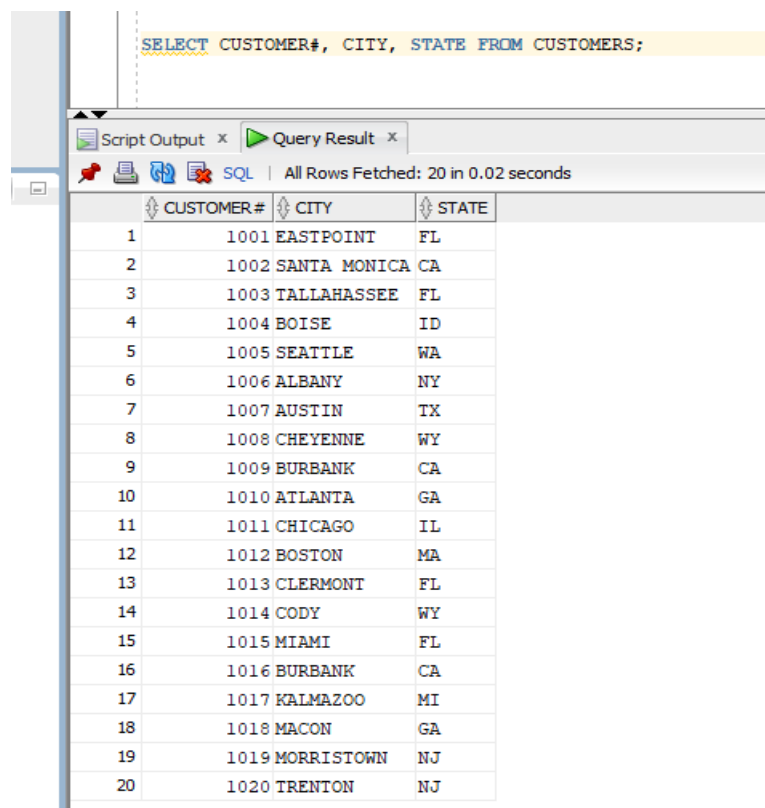


The screenshot shows a SQL Developer window with a query editor at the top containing the SQL statement: `SELECT TITLE, PUBDATE AS "Publication Date" FROM books;`. Below the editor, the 'Query Result' tab is active, displaying a table with 14 rows. The status bar indicates 'All Rows Fetched: 14 in 0.02 seconds'.

	TITLE	Publication Date
1	BODYBUILD IN 10 MINUTES A DAY	21-01-05
2	REVENGE OF MICKEY	14-12-05
3	BUILDING A CAR WITH TOOTHPICKS	18-03-06
4	DATABASE IMPLEMENTATION	04-06-03
5	COOKING WITH MUSHROOMS	28-02-04
6	HOLY GRAIL OF ORACLE	31-12-05
7	HANDCRANKED COMPUTERS	21-01-05
8	E-BUSINESS THE EASY WAY	01-03-06
9	PAINLESS CHILD-REARING	17-07-04
10	THE WOK WAY TO COOK	11-09-04
11	BIG BEAR AND LITTLE DOVE	08-11-05
12	HOW TO GET FASTER PIZZA	11-11-06
13	HOW TO MANAGE THE MANAGER	09-05-03
14	SHORTEST POEMS	01-05-05

4. List the customer number for each customer in the CUSTOMERS table, along with the city and state in which the customer lives.

Answer.



The screenshot shows a SQL Developer window with a query editor at the top containing the SQL statement: `SELECT CUSTOMER#, CITY, STATE FROM CUSTOMERS;`. Below the editor, the 'Query Result' tab is active, displaying a table with 20 rows. The status bar indicates 'All Rows Fetched: 20 in 0.02 seconds'.

	CUSTOMER#	CITY	STATE
1	1001	EASTPOINT	FL
2	1002	SANTA MONICA	CA
3	1003	TALLAHASSEE	FL
4	1004	BOISE	ID
5	1005	SEATTLE	WA
6	1006	ALBANY	NY
7	1007	AUSTIN	TX
8	1008	CHEYENNE	WY
9	1009	BURBANK	CA
10	1010	ATLANTA	GA
11	1011	CHICAGO	IL
12	1012	BOSTON	MA
13	1013	CLERMONT	FL
14	1014	CODY	WY
15	1015	MIAMI	FL
16	1016	BURBANK	CA
17	1017	KALMAZOO	MI
18	1018	MACON	GA
19	1019	MORRISTOWN	NJ
20	1020	TRENTON	NJ

5. Create a list containing the publisher's name, the person usually contacted, and the publisher's telephone number. Rename the contact column "Contact Person" in the displayed results. (Hint: Use the PUBLISHER table.)

Answer.

```
SELECT NAME AS "Publisher's Name", CONTACT, PHONE FROM PUBLISHER ;
```

	Publisher's Name	CONTACT	PHONE
1	PRINTING IS US	TOMMIE SEYMOUR	000-714-8321
2	PUBLISH OUR WAY	JANE TOMLIN	010-410-0010
3	AMERICAN PUBLISHING	DAVID DAVIDSON	800-555-1211
4	READING MATERIALS INC.	RENEE SMITH	800-555-9743
5	REED-N-RITE	SEBASTIAN JONES	800-555-8284

6. Determine which categories are represented in the current book inventory. List each category only once.

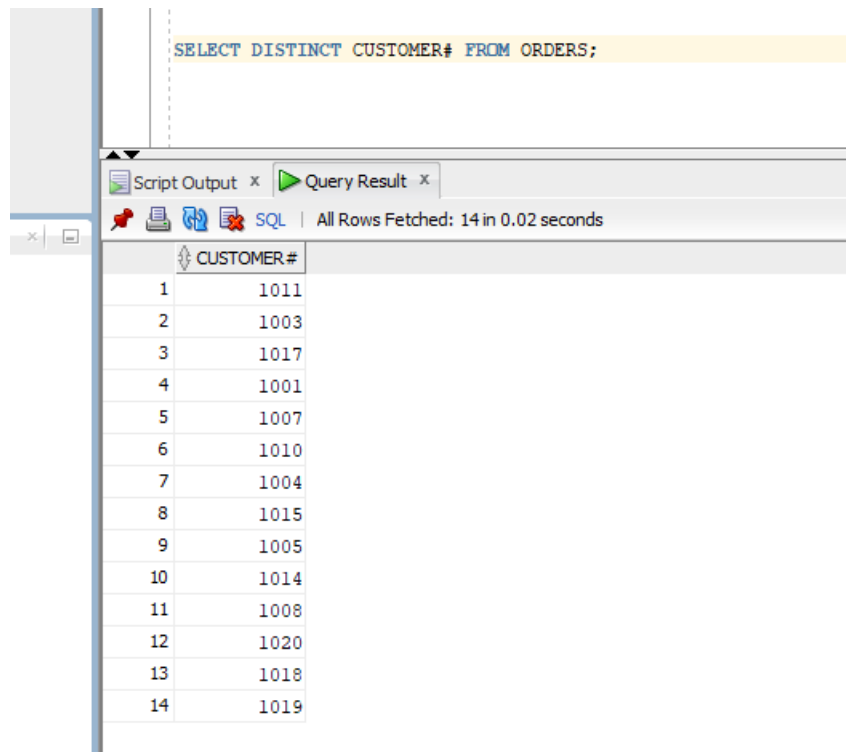
Answer.

```
SELECT DISTINCT CATEGORY FROM BOOKS;
```

CATEGORY
1 COMPUTER
2 COOKING
3 CHILDREN
4 LITERATURE
5 BUSINESS
6 FITNESS
7 FAMILY LIFE
8 SELF HELP

7. List the customer number from the ORDERS table for each customer who has placed an order with the bookstore. List each customer number only once.

Answer.

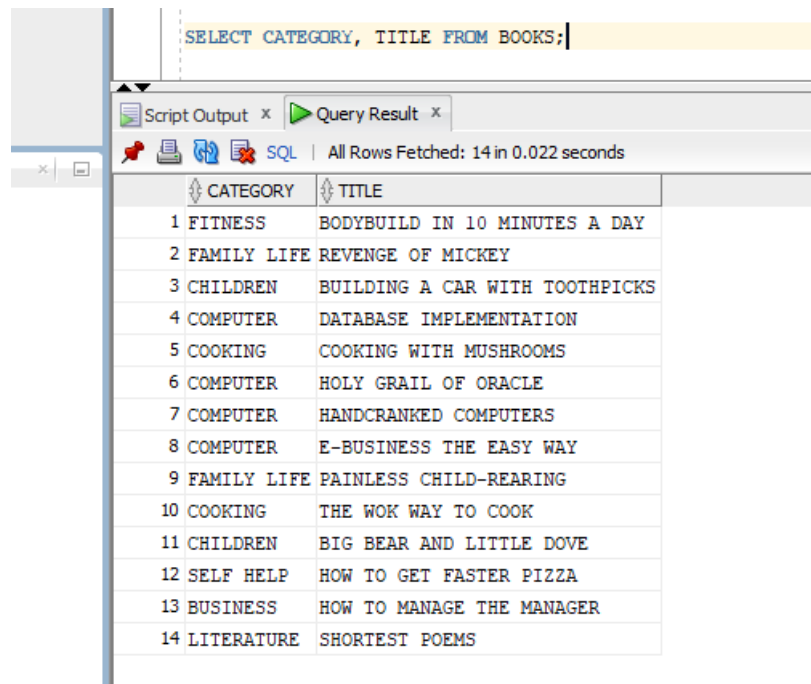


```
SELECT DISTINCT CUSTOMER# FROM ORDERS;
```

	CUSTOMER#
1	1011
2	1003
3	1017
4	1001
5	1007
6	1010
7	1004
8	1015
9	1005
10	1014
11	1008
12	1020
13	1018
14	1019

8. Create a list of each book title stored in the BOOKS table and the category in which each book belongs. Reverse the sequence of the columns so that the category of each book is listed first.

Answer.

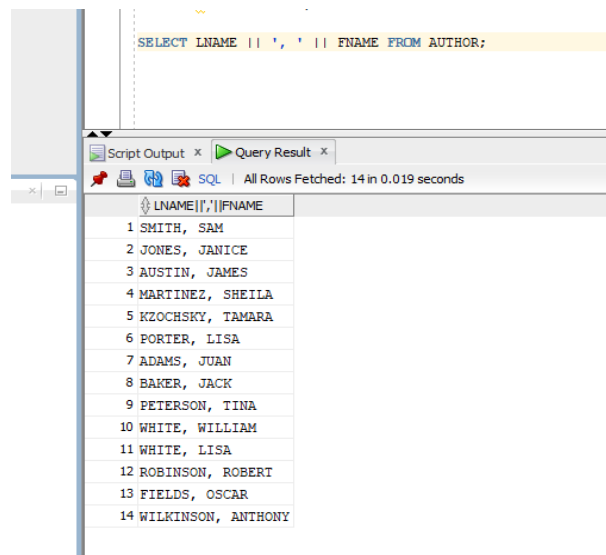


```
SELECT CATEGORY, TITLE FROM BOOKS;
```

	CATEGORY	TITLE
1	FITNESS	BODYBUILD IN 10 MINUTES A DAY
2	FAMILY LIFE	REVENGE OF MICKEY
3	CHILDREN	BUILDING A CAR WITH TOOTHPICKS
4	COMPUTER	DATABASE IMPLEMENTATION
5	COOKING	COOKING WITH MUSHROOMS
6	COMPUTER	HOLY GRAIL OF ORACLE
7	COMPUTER	HANDCRANKED COMPUTERS
8	COMPUTER	E-BUSINESS THE EASY WAY
9	FAMILY LIFE	PAINLESS CHILD-REARING
10	COOKING	THE WOK WAY TO COOK
11	CHILDREN	BIG BEAR AND LITTLE DOVE
12	SELF HELP	HOW TO GET FASTER PIZZA
13	BUSINESS	HOW TO MANAGE THE MANAGER
14	LITERATURE	SHORTEST POEMS

9. Create a list of authors that displays the last name followed by the first name for each author. The last names and first names should be separated by a comma and a blank space.

Answer.



The screenshot shows a SQL query editor with the following query:

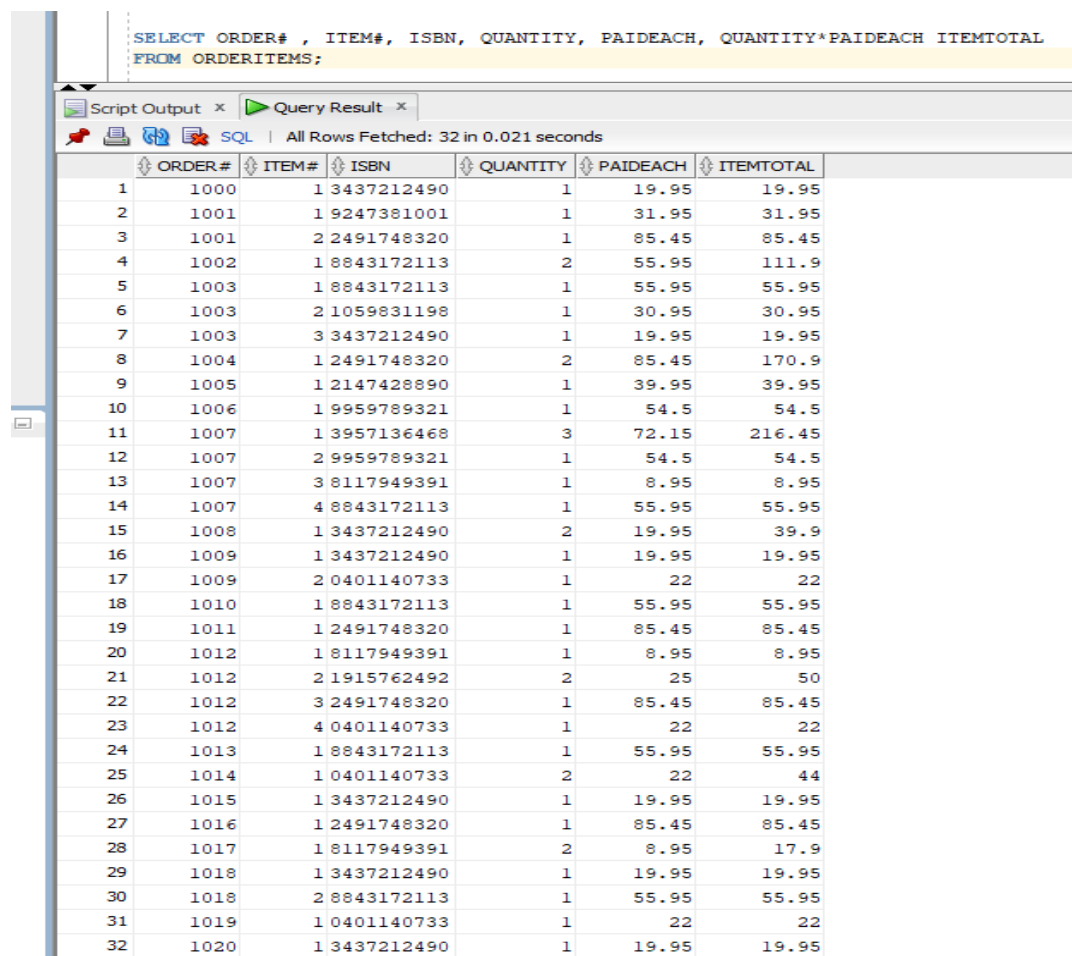
```
SELECT LNAME || ', ' || FNAME FROM AUTHOR;
```

The query results are displayed in a table with the following data:

	LNAME ', ' FNAME
1	SMITH, SAM
2	JONES, JANICE
3	AUSTIN, JAMES
4	MARTINEZ, SHEILA
5	KZOSCHSKY, TAMARA
6	PORTER, LISA
7	ADAMS, JUAN
8	BAKER, JACK
9	PETERSON, TINA
10	WHITE, WILLIAM
11	WHITE, LISA
12	ROBINSON, ROBERT
13	FIELDS, OSCAR
14	WILKINSON, ANTHONY

10. List all information for each order item. Include an item total, which can be calculated by multiplying the Quantity and Paideach columns. Use a column alias for the calculated value to show the heading "Item Total" in the output.

Answer.



The screenshot shows a SQL query editor with the following query:

```
SELECT ORDER# , ITEM#, ISBN, QUANTITY, PAIDEACH, QUANTITY*PAIDEACH ITEMTOTAL
FROM ORDERITEMS;
```

The query results are displayed in a table with the following data:

	ORDER#	ITEM#	ISBN	QUANTITY	PAIDEACH	ITEMTOTAL
1	1000	1	3437212490	1	19.95	19.95
2	1001	1	9247381001	1	31.95	31.95
3	1001	2	2491748320	1	85.45	85.45
4	1002	1	8843172113	2	55.95	111.9
5	1003	1	8843172113	1	55.95	55.95
6	1003	2	1059831198	1	30.95	30.95
7	1003	3	3437212490	1	19.95	19.95
8	1004	1	2491748320	2	85.45	170.9
9	1005	1	2147428890	1	39.95	39.95
10	1006	1	9959789321	1	54.5	54.5
11	1007	1	13957136468	3	72.15	216.45
12	1007	2	9959789321	1	54.5	54.5
13	1007	3	8117949391	1	8.95	8.95
14	1007	4	8843172113	1	55.95	55.95
15	1008	1	3437212490	2	19.95	39.9
16	1009	1	3437212490	1	19.95	19.95
17	1009	2	0401140733	1	22	22
18	1010	1	8843172113	1	55.95	55.95
19	1011	1	2491748320	1	85.45	85.45
20	1012	1	8117949391	1	8.95	8.95
21	1012	2	1915762492	2	25	50
22	1012	3	2491748320	1	85.45	85.45
23	1012	4	0401140733	1	22	22
24	1013	1	8843172113	1	55.95	55.95
25	1014	1	0401140733	2	22	44
26	1015	1	3437212490	1	19.95	19.95
27	1016	1	2491748320	1	85.45	85.45
28	1017	1	8117949391	2	8.95	17.9
29	1018	1	3437212490	1	19.95	19.95
30	1018	2	8843172113	1	55.95	55.95
31	1019	1	0401140733	1	22	22
32	1020	1	3437212490	1	19.95	19.95