

ITSE 2309 – Database Programming: Oracle

Lab 10 – Subqueries and MERGE

To perform these assignments, refer to the tables in the JustLee Books database. Use a subquery to accomplish each task. Make sure you execute the query you plan to use as the subquery to verify the results before writing the entire query.

1. List the book title and retail price for all books with a retail price lower than the average retail price of all books sold by JustLee Books.

TITLE	RETAIL
BODYBUILD IN 10 MINUTES A DAY	30.95
REVENGE OF MICKEY	22
COOKING WITH MUSHROOMS	19.95
HANDCRANKED COMPUTERS	25
THE WOK WAY TO COOK	28.75
BIG BEAR AND LITTLE DOVE	8.95
HOW TO GET FASTER PIZZA	29.95
HOW TO MANAGE THE MANAGER	31.95
SHORTEST POEMS	39.95

2. Determine which books cost less than the average cost of other books in the same category.

TITLE	CATEGORY	COST
HANDCRANKED COMPUTERS	COMPUTER	21.8
DATABASE IMPLEMENTATION	COMPUTER	31.4
COOKING WITH MUSHROOMS	COOKING	12.5
BIG BEAR AND LITTLE DOVE	CHILDREN	5.32
REVENGE OF MICKEY	FAMILY LIFE	14.2

3. Determine which orders were shipped to the same state as order 1014.

ORDER#
1007
1014

4. Determine which orders had a higher total amount due than order 1008.

```
ORDER# SUM(OI.QUANTITY*OI.PAIDEACH)
-----
1003 106.85
1009 41.95
1011 85.45
1013 55.95
1016 85.45
1006 54.5
1001 117.4
1002 111.9
1007 335.85
1004 170.9
1010 55.95
1005 39.95
1014 44
1012 166.4
1018 75.9
```

5. List the title of all books in the same category as books previously purchased by customer1007. Don't include books this customer has already purchased.

```
TITLE
-----
BUILDING A CAR WITH TOOTHPICKS
HANDCRANKED COMPUTERS
PAINLESS CHILD-REARING
```

6. List the shipping city and state for the order that had the longest shipping delay.

```
SHIPCITY SH
----- --
TRENTON NJ
```

7. Determine which customers placed orders for the least expensive book (in terms of regular retail price) carried by JustLee Books.

```
CUSTOMER#
-----
1007
1017
1015
```

8. Determine the number of different customers who have placed an order for books written or cowritten by James Austin.

```
COUNT (DISTINCTCUSTOMER#)
-----
5
```

9. Determine which books were published by the publisher of The Wok Way to Cook.

```
TITLE
-----
BODYBUILD IN 10 MINUTES A DAY
COOKING WITH MUSHROOMS
THE WOK WAY TO COOK
HOW TO GET FASTER PIZZA
```