1) Find the number of books which have a retail price of \$30.00or more.

```
SELECT COUNT(*) as Number_of_Books

FROM
BOOKS
WHERE
Retail > 30

Number_of_Books

Number_of_Books
```

2) Display the most recent publication date among all books owned by the bookstore.

```
FROM
BOOKS

Most_Recent_Date

Most_Recent_Date

2006-11-11
```

3) Determine the total profit generated by sales to customer 1017. Note: total profit= sum((retail-cost)*quantity))

```
SELECT SUM((Retail - Cost) * Quantity) as Total_Profit
FROM
ORDERS o
JOIN
ORDERITEMS oi
ON
o.Order_num = oi.Order_num
JOIN
BOOKS b
ON
oi.isbn = b.ISBN
WHERE
Customer_num = 1017
```

```
Total_Profit

▶ 59.78
```

4) List the retail price of the least expensive book in the CHILDREN category.

```
SELECT MIN(Retail) as Least_Expensive_Retail
FROM
BOOKS
WHERE
Category = 'CHILDREN'

Least_Expensive_Retail

8.95
```

5) Determine how many orders have been placed by each customer. Do not include the customers who haven't placed any order. Display the customer number, and the number of orders placed by the customer.

```
    SELECT
        c.Customer_num, COUNT(o.Order_num) as Number_of_Orders
        FROM
        CUSTOMERS c, ORDERS o
        WHERE
        c.Customer_num = o.Customer_num
        GROUP BY
        o.Customer_num
```

	Customer_num	Number_of_Orders
•	1001	2
	1003	2
	1004	1
	1005	2
	1007	2
	1008	1
	1010	2
	1011	1
	1014	1
	1015	1
	1017	1
	1018	2
	1019	1
	1020	2

;

6) Determine the average retail price of books by publisher and category(i.e., group by publisher name and book category). Include only the (publisher, category) pair when the corresponding average retail price is more than \$50.

```
SELECT
     p.Name, b.Category, AVG(Retail)
 FROM
     BOOKS b
 JOIN
     PUBLISHER p
 ON
     b.PubID = p.PubID
 GROUP BY
     p.Name, b.Category
 HAVING
     AVG(Retail) > 50
 ;
                 Category AVG(Retail)
                   CHILDREN
PUBLISH OUR WAY
                               59.950000
                COMPUTER 54.500000
PUBLISH OUR WAY
AMERICAN PUBLISHING COMPUTER
                               52,300000
REED-N-RITE
                   FAMILY LIFE 89.950000
```

7) List the customers living in GA or FL who have placed an order totaling more than \$80(hint: use "group by order_num having ..."). List the name of the customer, the order number, and the corresponding order total. Sort the result by the order total in ascending order. Note: Order total= sum(retail*quantity).

```
FirstName, LastName, o.Order_num, SUM(Retail * Quantity) as total
FROM

BOOKS b, CUSTOMERS c, ORDERS o, ORDERITEMS oi

WHERE

o.Customer_num = c.Customer_num

AND

o.Order_num = oi.Order_num

AND

b.ISBN = oi.ISBN

AND

c.State in ('GA', 'FL')

GROUP BY

FirstName, LastName, o.Order_num

HAVING

total > 80

ORDER BY

total

3
```

	FirstName	LastName	Order_num	total
•	LEILA SMITH		1016	89.95
	JAKE	LUCAS	1011	89.95
	BONITA	MORALES	1003	106.85
	JAKE	LUCAS	1001	121.90

8) What's the retail price of the most expensive book written by LISAWHITE.

```
SELECT
     MAX(Retail) as Most_Expensive
FROM
     BOOKS b
JOIN
     BOOKAUTHOR ba
ON
     b.ISBN = ba.ISBN
JOIN
     AUTHOR a
ON
     a.AuthorID = ba.AuthorID
WHERE
     a.Lname = 'WHITE'
AND
     a.Fname = 'LISA'
Most_Expensive
39.95
```

9) For each book author, find the total number of books that have been ordered. For those authors who don't have any books being ordered, use the number of 0 to fill in. List the result in descending order based on these numbers.

```
a.AuthorID, a.Lname, a.Fname, IFNULL(SUM(Quantity), 0) as Total_Order_Numbers

FROM AUTHOR a

LEFT JOIN BOOKAUTHOR ba ON a.AuthorID = ba.AuthorID

LEFT JOIN ORDERITEMS oi ON ba.ISBN = oi.ISBN

LEFT JOIN ORDERS o ON oi.Order_num = o.Order_num

GROUP BY

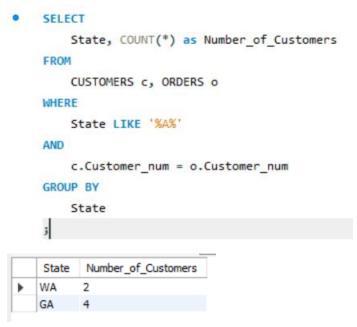
a.AuthorID

ORDER BY

Total_Order_Numbers DESC
```

	AuthorID	Lname	Fname	Total_Order_Numbers
•	B100	BAKER	JACK	14
	A100	AUSTIN	JAMES	10
	R100	ROBINSON	ROBERT	10
	A105	ADAMS	JUAN	7
	J100	JONES	JANICE	7
	P105	PETERSON	TINA	7
	F100	FIELDS	OSCAR	6
	W100	WHITE	WILLIAM	3
	W105	WHITE	LISA	3
	P100	PORTER	LISA	1
	S100	SMITH	SAM	1
	K100	KZOCHSKY	TAMARA	0
	M100	MARTINEZ	SHEILA	0
	W110	WILKINSON	ANTHONY	0

10) Find the number of customers in each of the states that have a letter 'A' in State's name. Only list those states that have at least two customers.



Unless I'm mistaken, I don't think my data table had orders from CA