# In-Class Query Practice – River’s End Database

## Simple Queries (single table)

1. Write a query that shows all the book titles along with isbn, qoh, and retail price.
2. Modify the above query to show all the book titles that are in stock, along with isbn, qoh, and retail price.
3. Modify the above query to sort by title.
4. Write a query that shows all the titles in the Mystery type.
5. Write a query that shows all the titles in either the Mystery, Gothic, or Horror type, sorted by type.
6. Write a query for the re\_title table that shows all the distinct book types.
7. Write a query that displays all authors, last name, first name, sorted by last name.
8. Write a query that displays all customers (last name, first name, address, city, state, zip) who are in our Reader’s Club.
9. Write a query to display publisher information for all publishers in either NY or NJ.
10. Write a query to display publisher information for all publishers for whom we do not have a contact on record.
11. Write a query to show all customer information for customers who do NOT use a Visa card.
12. Write a query to show the profit for each book (difference between actual cost and retail price). Show the book title, actual and retail price, and the profit. Order from least to most profitable.

## Aggregate Function Queries

1. Write a query that shows the average, min, and max retail price of all books.
2. Modify the above query to show the avg, min, and max by book type (requires a GROUP BY clause).
3. Write a query that shows the total stock of all books.
4. Modify the above query to show the total stock by book type.
5. Write a query to list all books whose price is above the average price (requires a sub query).
6. Write a query to give the extended price for all order items, grouped by order id.
7. Write a query to show which book type has the most books in stock.
8. Write a query to show how many customers use each type of card.

## Complex Queries (Table JOINS)

1. For each customer order, list Customer name, order date, order no, and if they are in the Reader’s Club.
2. Modify the above query to include customers who have not placed orders.
3. List Customer name and if they are in the Reader’s Club for each customer who has never placed an order.
4. List all books written by Mary Stewart.
5. List all books published by Arkham House Publishers.
6. List all books by title, type, isbn, and author name.
7. Modify the above query to list them in order by type, then title.
8. Write a query to list each author and the number of books they have written.
9. Write a query to show which author we have the most books of in stock, in alphabetical order by author.