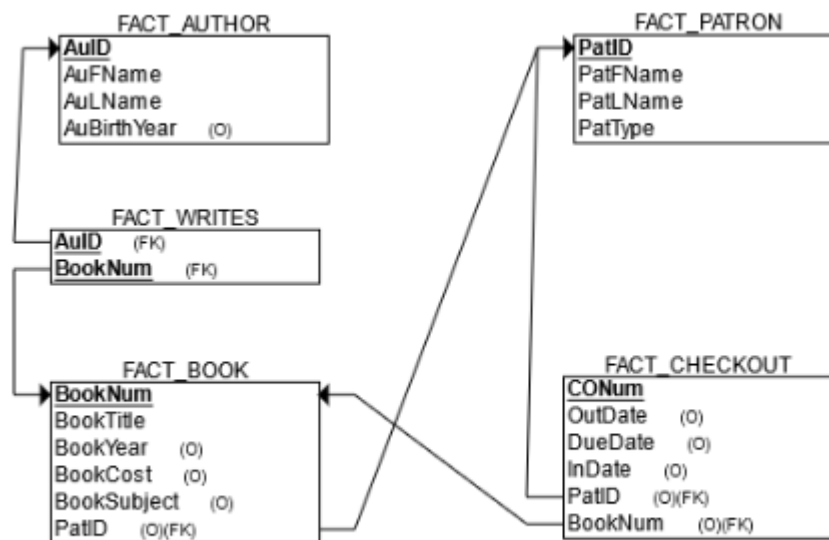


CSC 455 Lab 13

This lab continues with the FACT database tables:



If you are off campus, get a VPN connection ([instructions](#)).

Log into [phpMyAdmin](#), and select your database on the left.

In the SQL tab in PHPMyAdmin, write the SQL query to generate the desired result. Copy and paste your SQL code into a Word or text file to submit into Canvas.

1. Write a query to display the patron first and last name and book title for all books currently checked out. (This would be determined by PatID in the book table is not null.) **Use JOIN ON** (5 rows in correct result)
2. Write a query to display Author first and last names, BookTitle, and book cost for all books costing less than \$60. **Use JOIN USING** (10 rows in correct result.)
3. Write a query to display the Patron first and last names and number of days overdue (call the column DaysOverdue) for all patrons who turned in a book after its due date. Disregard books currently checked out Sort by last name. **Use NATURAL JOIN** (10 rows in correct result)
4. Write a query to find all authors who have written more than one book. Give the author's first and last names and the number of books that author has written. (Your choice for the join style.) (6 rows in the correct result.)

5. Write a query to show the book titles for all books that have never been checked out. (Hint: use a subquery with **IN**) (5 rows in correct result)
6. Modify the query from #5 to show the book titles with author first and last names for all books that have never been checked out. (Hint: use a subquery with **IN**) (8 rows in correct result)
7. Write a query to display the book number, title, and number of times each book has been checked out. Call this column NumCheckouts. Include books that have never been checked out. Sort the results in descending order by the number of times checked out and then by title. (17 rows total)
8. Write a query to display patron names (first and last), patron type, and number of books he or she has checked out. Include patrons who have never checked out any books. (53 or 52 rows in result depending if you did lab 9)
9. Write a query to display author first and last names for those pairs of authors who have the same birth year. Include their shared birth year in the display. Don't display the same pair twice.