# Lab 4\_2 Assignment

## Part 1:

Open your first project from Monday. We will be working to create SQL statements to run in it.

As you get each SQL statement working, paste it into this document under the corresponding instruction. Make the SQL statement bold.

1. Write an SQL statement to get all of the records from the Authors table where there is a Year\_Born value.   
   Include the Author and Year\_Born field.

Sort by Year\_Born in descending order.

1. Add a calculated field named Age to the above statement by subtracting Year\_Born from 2020.
2. Write a statement to show the same fields as above for the Authors born between 1950 and 1960
3. Show the Name, Company\_Name and State for all records in the Publishers table that have BOOK somewhere in the Company\_Name. Sort by Name
4. Use an INNER JOIN clause to get both the Titles and Publishers tables. Show the Title, Year\_Published, & ISBN from Titles, and Name, Company\_Name and State from Publishers.

Sort by Publishers.Name and Title.

1. Use a nested INNER JOIN to read the Authors, Title\_Author and Titles table. Get the Author from the Authors table, Title & Year\_Published from Titles, and ISBN from Title\_Author.

Sort by Author and Title.

1. Get the Name from Publishers and a count of Title from Titles. Then use the GROUP BY function to group by the Publishers name.

Add an alias to name the count “NumberBooks”

1. Use an OUTER JOIN clause to link Titles and Publishers. Make sure you use the correct OUTER JOIN option to include the Publishers that have blank Title records.

Include Publishers.Name and Titles.Title and sort by Publishers.Name.

1. Copy the previous statement but add a WHERE clause to only include records where Title is null.