* + The attached docx file HW-3 contains six queries that you have to write, run, and save in SQL in the accdb file Homework Database (see HW-2).
  + Like you did for HW-2, you have to prepare and submit two files:
    - an accdb file that contains Homework Database with your saved queries;
    - a docx/doc/pdf file that contains copies of your queries (SQL text) and copies of the resulting tables (use “ copy and paste” to copy them from your accdb file to your docx/doc file, see the Example file attached to HW-2 that shows how your file should look like).

## Homework Assignment #3 (Max: 12 pts)

This homework assignment uses Homework Database that contains all tables from both Movie Database and University Database (you used Homework Database in HW-2). Write, run, and save the following SQL queries in this database.

### Query 1 (2 pts)

List the first and last names of all students that never got a C grade.

### Query 2 (2 pts)

Find the number of distinct movies played in Chicago, IL. Output a table consisting of one record and one column headed Number of Movies.

### Query 3 (2 pts)

For each student, find the number of courses taken by this student. Output a table consisting of three columns: FirstName, LastName, Number of Courses.

### Query 4 (2 pts)

Find all students who take at least three courses. Output a table consisting of three columns: FirstName, LastName, Number of Courses.

### Query 5 (2 pts)

For each theatre, find the lowest and highest ratings of the movies played in this theatre. Output a table consisting of three columns: Theatre, Lowest, Highest.

### Query 6 (2 pts)

Find the course(s) offered in the maximum number of terms. Output a table consisting of two columns: Name (the name of the course from Courses Table, not its CourseId!), Number of Terms.

## How to submit

1. Prepare two files:

* an accdb file that contains Homework Database and your saved queries;
* a docx/doc/pdf file that contains copies of your queries (SQL text) and copies of the resulting tables (use “copy and paste” to copy them from your accdb file to your docx/doc/pdf file, see the HW-2 folder on Blackboard for the file Example that shows how your file should look like).

**That’s the result of the last one we did.**

Q1 – not correct. In FROM, you use the product without any matching condition, which results in an incorrect table (all movies). It is more efficient to use Schedule instead of the product of Movies and Theatres, see the solutions.

Q2 – correct.

Q3 – not correct since you use the product without any matching condition.

Q4 – correct.

Q5 – correct.

Q6 – not correct since you don’t use Showtimes