# Assignment 4 – More Advanced SELECT and VIEW

Using the sample database (dvdrental) as the source of information provide:

Always order the set of results in alphabetical order if you have a “name” field (title, name of a category, name and last name for clients) or by ID if you do not have such fields.

1. Return the first and last name of all the customer that have performed at least one rental using an EXISTS subquery.
2. Using Union, Except, or Intersect provide the name of the customers that never performed a rental.
3. Provide a summary table using GROUPING SETS where the different movies are counted by rental\_rate, and by category (the first part must count how many movies exist with rental rate e.g 4.99 and then how many movies exist for a category e.g. Horror)
4. Return the title of the movies that have a rental rate equal to the maximum rental rate for THEIR film category.
5. Using a CTE (WITH) expression that retrieves for each category of movie their average length provide the title of movies that have a length exactly equal to the average length of their category.
6. Create a View that lists all the movies (title and length) along with the name of the language. Name the view view\_movie\_language.
7. Create a Materialized View that list the last rental for each customer. List customer name and last\_name, and rental date. Name the view view\_last\_rental. Populate the materialized view.

The statements should execute without the need of extra operations, if you need extra steps please document them.

Submit the files to the assignment on MUOnline in a compressed (.zip) format. Include all the required files. The submission should follow the naming convention:

CIT466\_*LastName\_FirstInitial\_*A4.zip