

## Lab 3

### User-defined functions:

1. Create a function that takes category name and returns the number of films in this category.
2. Create a function that takes customer\_id and returns full name (first\_name last\_name)
3. Create a function that's takes actor\_id and returns his/her film count.
4. Create a function that returns the most recent rental date for a given customer.
5. Function overload question
  - a. Create two versions of a function get\_film\_info:
    - i. One takes film\_id and returns title
    - ii. One takes title and returns film\_id

### Trigger

6. Create a trigger to prevent setting a negative value for rental\_rate column in the film table.
7. Create a trigger to save a backup for newly inserted customers. (create customer\_backup table first).
8. Create a trigger on payment table that copies deleted rows into a new table deleted\_payments
9. Track when a film's title is updated, and log the old and new titles along with the time of the change in a new table (film\_audit).