

SE Factory

Week 4 - Assignments

version 03BD_1803

Change Log

- Add further restrictions
- Removed delivery dates

Relational Databases

Exercise 1

Using the database `sakila` that we have downloaded and imported already, answer the following questions with 1 QUERY only. You are not allowed to use Views, Stored Procedures, Variables or Functions.

SBQ_1

What is the total number of movies per actor?

SBQ_2

What are the top 3 languages for movies released in 2006?

SBQ_3

What are the top 3 countries from which customers are originating?

SBQ_4

Find all the addresses where the second address is not empty (i.e., contains some text), and return these second addresses sorted.

SBQ_5

Return the first and last names of actors who played in a film involving a “Crocodile” and a “Shark”, along with the release year of the movie, sorted by the actors’ last names.

SBQ_6

Find all the film categories in which there are between 55 and 65 films. Return the names of these categories and the number of films per category, sorted by the number of films. If there are no categories between 55 and 65, return the highest available counts.

SBQ_7

Find the names (first and last) of all the actors and costumers whose first name is the same as the first name of the actor with ID 8. Do not return the actor with ID 8 himself. Note that you cannot use the name of the actor with ID 8 as a constant (only the ID). There is more than one way to solve this question, but you need to provide only one solution.

SBQ_8

Get the total and average values of rentals per month per year per store.

SBQ_9

Get the top 3 customers who rented the highest number of movies within a given year.