Homework 4

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In this homework, you have to create a toy dataset in Vanilla DB, trace the source code for each query and write a report. Your report should describe all the modules that been used in each query and their functions as detail as possible.

Tables:

The film Table

film_id	A primary key used to uniquely identify each film in the table.
title	The title of the film.
genre_id	A foreign key pointing at the genre table; identifies the genre of the film.
certification	The certification of the film.
rating	IMDb rating.

The genre Table

genre_id	A primary key used to uniquely identify each genre in the table.
genre_name	The name of the genre.

Questions:

1. select certification, count(film_id) from film group by certification
2. select title, genre_name from film, genre where film_genre_id=genre_genre_id and rating > 8
3. Add index and redo 2.
   a. film_genre_id in table film
   b. genre_name in table genre

Reference:

[Intro. to DB] Create data in vanillaDB

https://youtu.be/ywrB7yOFw3Q

NCTU CSCC Database Service

https://www.cs.nctu.edu.tw/cscc/mysql/

Due Date: 23:59, June 18, Sunday, 2017

If you have any questions, feel free to contact me.