**Assignment #3: SQL Part 2 – Advanced Queries**

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| **Submission Instructions****Due: Wednesday, 2/22/2023, 11:59 pm*** Complete and submit the **answer sheet**  as a word or PDF document through **Canvas>Assignments>To-Do**. (The answer sheet is a separate document.)
* You can copy and paste the (i) **SQL query** and (ii) the **results** from SQL Workbench.
* Late Assignment policy: All assignments will be assessed a 20% penalty (subtracted from that assignment’s score) for every hour they are late.

**Evaluation**Your submission will be graded using two factors:1. A correctly formed **SQL query** that answers the specific question asked (no extra rows or columns).
2. Providing the **correct answer** to the question (the results returned from MySQL Workbench).
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For this assignment, you will be working with the same movie rental database as ICA #4. The schema is also the same, so you can use the one provided for ICA #4 as a guide.

Recall that an "Advanced" SQL query requires the use of one or more JOINs, a subselect, or both.



**Questions**

1. How many times has each language been used in films? Return the value for ***all six languages***.
*Display: language name and the number of films*
2. How many actors stared in the film titled “BREAKING HOME”?

*Display: number of actors*

1. Who has rented movies in Japanese language? Return only the first five distinct results in alphabetical order by last name.
(Hints: In the language table, there is a field “name” that contains the film language names.)

*Display: first name and last name*

1. How many different districts exist in the address table?

*Display: number of unique distinct names of districts*

1. What actor has appeared in the most movies? How many movies did s/he appear in?
(Hint: Assume no ties - there’s only one actor who appears in the most movies.)

*Display: first name, last name and number of movies*

1. What store ids are in the Georgia district and how many rentals are recorded for each one?

*Display the district, store\_id, and the number of rentals*

1. What is (are) the PG-rated movie(s) with the largest replacement cost at store 2? And how much is it (are they)?
(Hint #1. PG-rated movies have rating value equal to ‘PG’;
Hint #2. Use store\_id in the Inventory table;

Hint #3. There may be more than one movie returned.)

*Display: movie title and replacement cost*

1. What is (are) the title(s) and the rental rate of the movie(s) that has (have) the least expensive rental rate among movies acted by Emily Dee?
(Hint: There can be more than one movie)

*Display: movie title, rating, and rental rate*

1. (Bonus question-optional) What is the average of the average rental rate for each movie rating?

(Hint: Find out the average rental rate of each rating and then compute the average of those numbers … an average of averages.)

*Display: Just one number – the average of the average rental rate per rating.*

(*The bonus points will be added to your final grade of this assignment. There will be no partial credit for this question.*)