Assignment 5 **Fall 2023** Total point=100
CSC 453, ITC 453

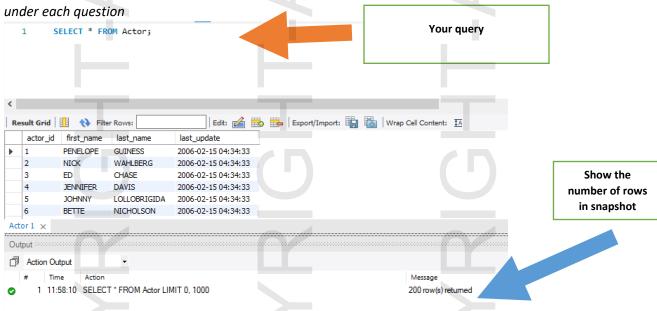Please read each question carefully and submit this file before **the due date.**

Please list your responses in the order of the questions.

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Example: Show all information for actors.

Your answer *(your answer should be under each question)*

1) *Execute your query in MySQL workbench, and using Snipping tools, select and paste the result under each question*

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Use Sakila Database:

Q1) Select and display the customer's first name, last name, address, postal code, and phone number.

        A) write a query with (JOIN …ON)
        B) write a query with (JOIN… USING)
        C) write a query without the "JOIN" keyword

Q2) Select and display the customer's first name, last name, rental date, return date, payment amount, and payment date.

        A) write a query with (JOIN …ON)
        B) write a query with (JOIN… USING)
        C) write a query without the "JOIN" keyword

Q3) Show title, category name, and "rental duration" for all movies that are "Action" or "Animation" with a rental duration greater than 4. Sort the results to show the rental duration in descending order and the movie title in ascending order.

A) write a query with (JOIN …ON)
B) write a query with (JOIN… USING)
C) write a query without the "JOIN" keyword

title	name	rental_duration
ARGONAUTS TOWN	Animation	7
BIKINI BORROWERS	Animation	7
BLACKOUT PRIVATE	Animation	7
BORROWERS BEDAZZLED	Animation	7
BRIDE INTRIGUE	Action	7
CANYON STOCK	Animation	7
CELEBRITY HORN	Action	7

Q4) Perform the following subquery (you MUST use a subquery to complete this problem): return the customer with the highest payment in the 'amount' column from the 'payment' table.

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USE Pine Valley Furniture Company DATABASE

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Q6) For all customer orders, show the customer ID, name, and order ID. Include those customers who have no orders in the report.

Q7) (use subquery only)
Please provide a list of all of the product IDs and names for all of the products that have a price that is lower than the average product price for their product line.