

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

The screenshot shows the MySQL Workbench interface. At the top, a query editor contains the SQL statement: `1 SELECT * FROM Actor;`. An orange arrow points from a box labeled "Your query" to this statement. Below the query editor is the "Result Grid" tab, which displays a table with 6 rows and 4 columns: `actor_id`, `first_name`, `last_name`, and `last_update`. The data rows are: 1 PENELOPE GUINNESS 2006-02-15 04:34:33, 2 NICK WAHLBERG 2006-02-15 04:34:33, 3 ED CHASE 2006-02-15 04:34:33, 4 JENNIFER DAVIS 2006-02-15 04:34:33, 5 JOHNNY LOLLOBRIGIDA 2006-02-15 04:34:33, and 6 BETTE NICHOLSON 2006-02-15 04:34:33. To the right of the table, a green box labeled "Show the number of rows in snapshot" has a blue arrow pointing to the "Output" tab. The "Output" tab shows a message: "200 row(s) returned".

actor_id	first_name	last_name	last_update
1	PENELOPE	GUINNESS	2006-02-15 04:34:33
2	NICK	WAHLBERG	2006-02-15 04:34:33
3	ED	CHASE	2006-02-15 04:34:33
4	JENNIFER	DAVIS	2006-02-15 04:34:33
5	JOHNNY	LOLLOBRIGIDA	2006-02-15 04:34:33
6	BETTE	NICHOLSON	2006-02-15 04:34:33

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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.