

Student names:

Please read each question carefully and follow the instructions to prepare your answer.

Example: Show all information for actors.

- 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, the query editor contains the SQL query: `SELECT * FROM Actor;`. An orange arrow points from a box labeled "Your query" to this query. Below the query editor, the "Result Grid" tab is active, displaying a table with 6 rows and 4 columns: `actor_id`, `first_name`, `last_name`, and `last_update`. The data rows are: (1, PENELOPE, GUINESS, 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). A green box with the text "Show the number of rows in snapshot" points to the bottom of the result grid. Below the result grid, the "Output" tab is active, showing a table with 3 columns: `#`, `Time`, and `Action`. It contains one row: (1, 11:58:10, SELECT * FROM Actor LIMIT 0, 1000). A blue arrow points from a box labeled "Message 200 row(s) returned" to the "Output" tab.

actor_id	first_name	last_name	last_update
1	PENELOPE	GUINESS	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

#	Time	Action
1	11:58:10	SELECT * FROM Actor LIMIT 0, 1000

+++++

USE SAKILA SAMPLE DATABASE

+++++

Q1. Show the first name and last name of actors whose last name starts with "MC," such as MCQUEEN or MCKELLEN, and sort the last names in ascending order. (10 points)

Q2. From table: "Film", show the movie's title, length and rating for all movies with lengths **more** than 120 min and sort your report based on the length. (10 points)

Q3. From table: "Film", show the movie's length, movie's title, and release year for all movies with length **exactly 50, 100 and 150 min** (use **IN operator**).

Q4. From table: "Film", show the movie's title and description for all movies with the word "fight" anywhere in its titles such as GUNFIGHT MOON or CHASING FIGHT (10 points)

Student names:

Q5. From table “payment”, find customer_id and his total payment(amount) for renting movies. Limit your report to top 20 customers (use: limit 20). Use “Total” as a label for the total amount in your result. Hint : customer_id 526 has spent \$221.55, and he is at the top of the list, and customer_id 470 spent 160.68 at the bottom of the list of top 20 customers. (Use Group by, sum, and order by in your code) (10 points)

Q6. update the email address of customer “Tony Carranza” to “TonyCarranza@gmail.com”. Show customer_id, first name, last name, and email for Tony Carranza after the update (10 points)

USE Pine Valley Furniture Company SAMPLE DATABASE

+++++

Q7. Show product description and product finish from product table for furniture that isn't made of “Cherry” or “ White Ash” and its price is greater than \$500. (10 points)

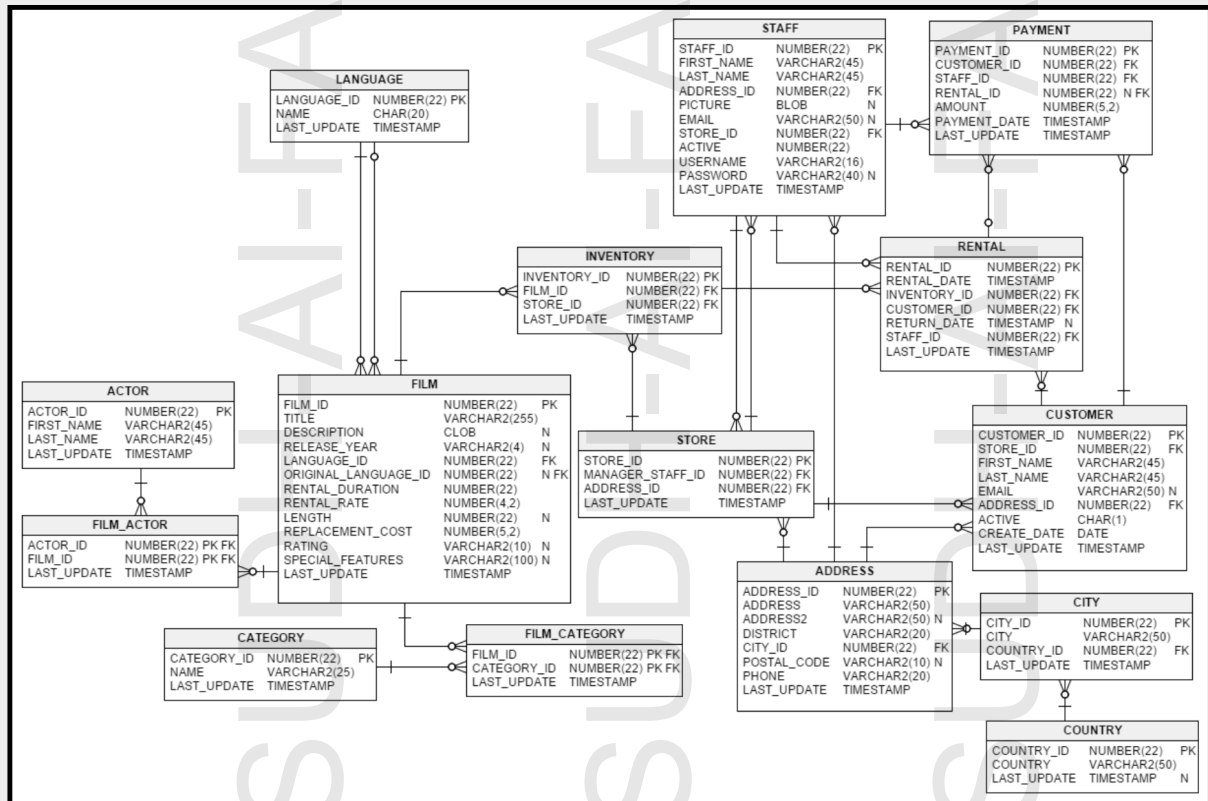
Q8. List the customers who live in California or Washington. Order them by zip code, from high to low. Use Customer_T table(10 points)

Q9. For every product that has been ordered, display the product ID and the total quantity ordered (label this result TotalOrdered). List the most popular product first and the least popular last. Use OrderLine_T table.
(10 points)

Q10. For each customer, list the CustomerID and the total number of orders placed in 2015. Use order_t table. (10 points)

+++++

Student names:



Sakila database ER diagram