# Department of Computing

# database systems

# Course Instructor: Dr. shams qazi

# Lab 04: Introduction to SQL

## **CS220: DB Systems**

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## **Class: BSCS 9B**

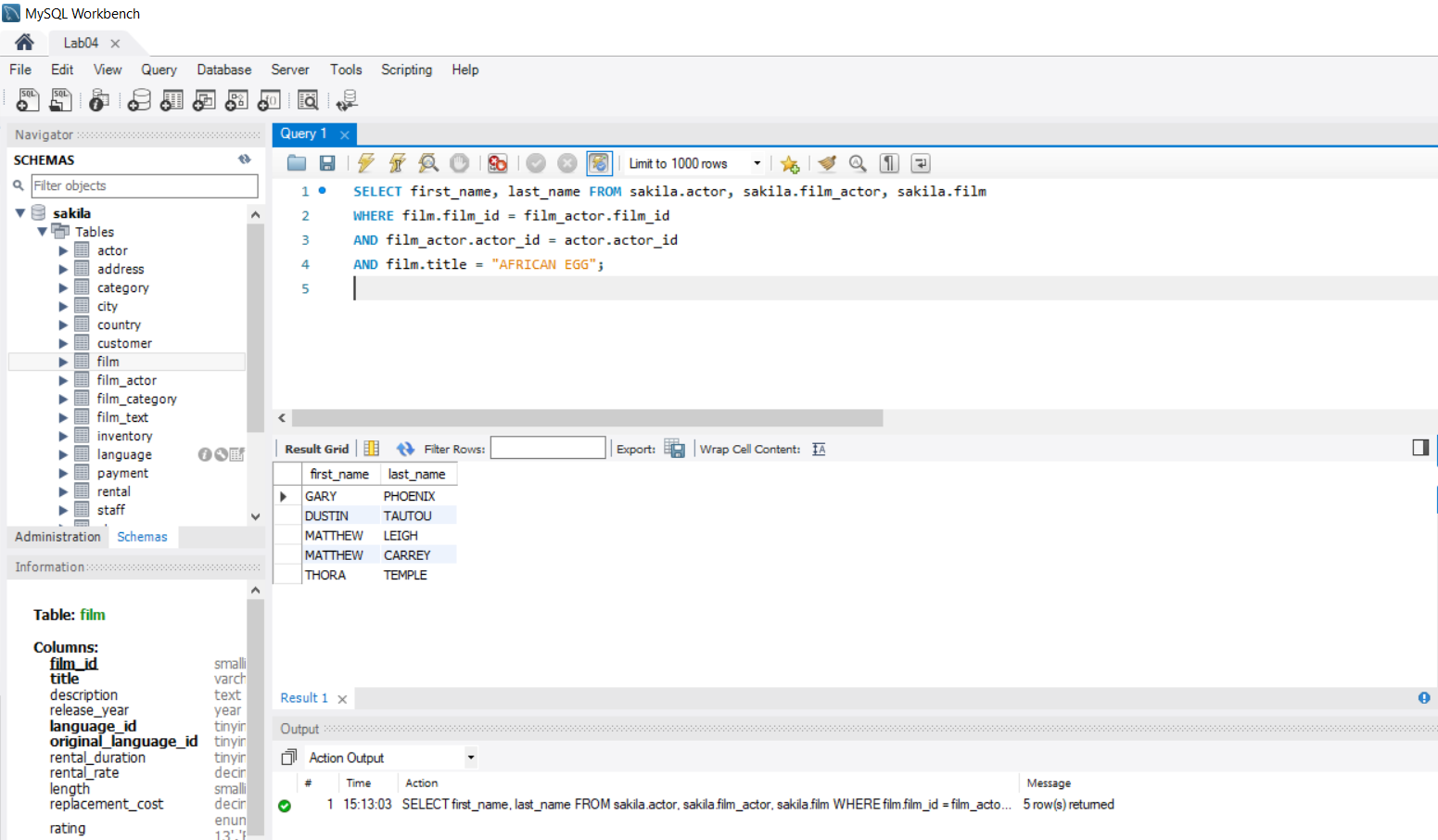
1. Retrieve first and last name of actors who played in AFRICAN EGG.

SELECT first\_name, last\_name FROM sakila.actor, sakila.film\_actor, sakila.film

WHERE film.film\_id = film\_actor.film\_id

AND film\_actor.actor\_id = actor.actor\_id

AND film.title = "AFRICAN EGG";



1. Retrieve actor id and their names with their addresses.

In the actor table there is no such attribute which can be linked with address table.

So, I have used the customer table instead.

SELECT customer\_id, first\_name, last\_name, address, district,

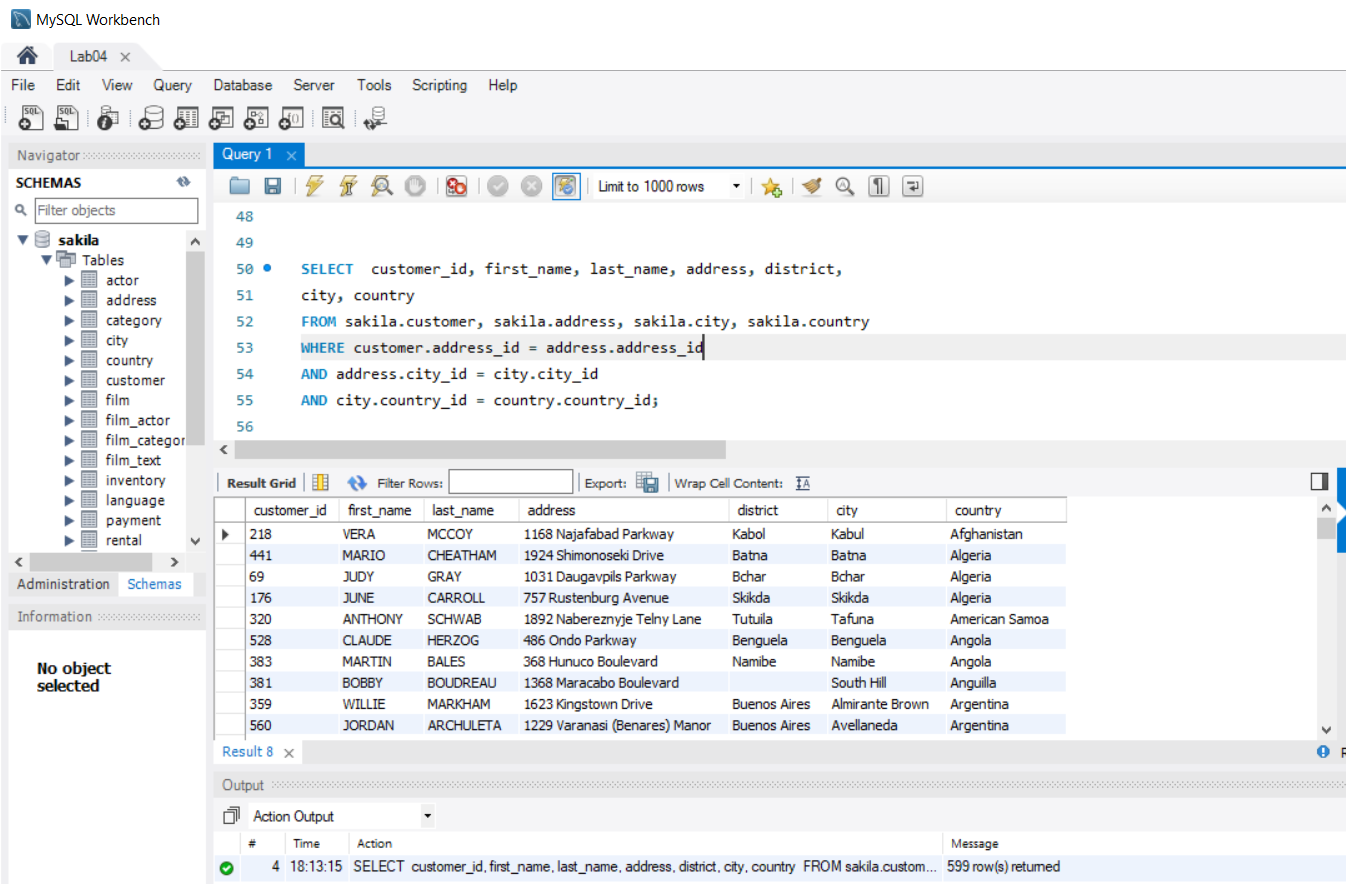
city, country

FROM sakila.customer, sakila.address, sakila.city, sakila.country

WHERE customer.address\_id = address.address\_id

AND address.city\_id = city.city\_id

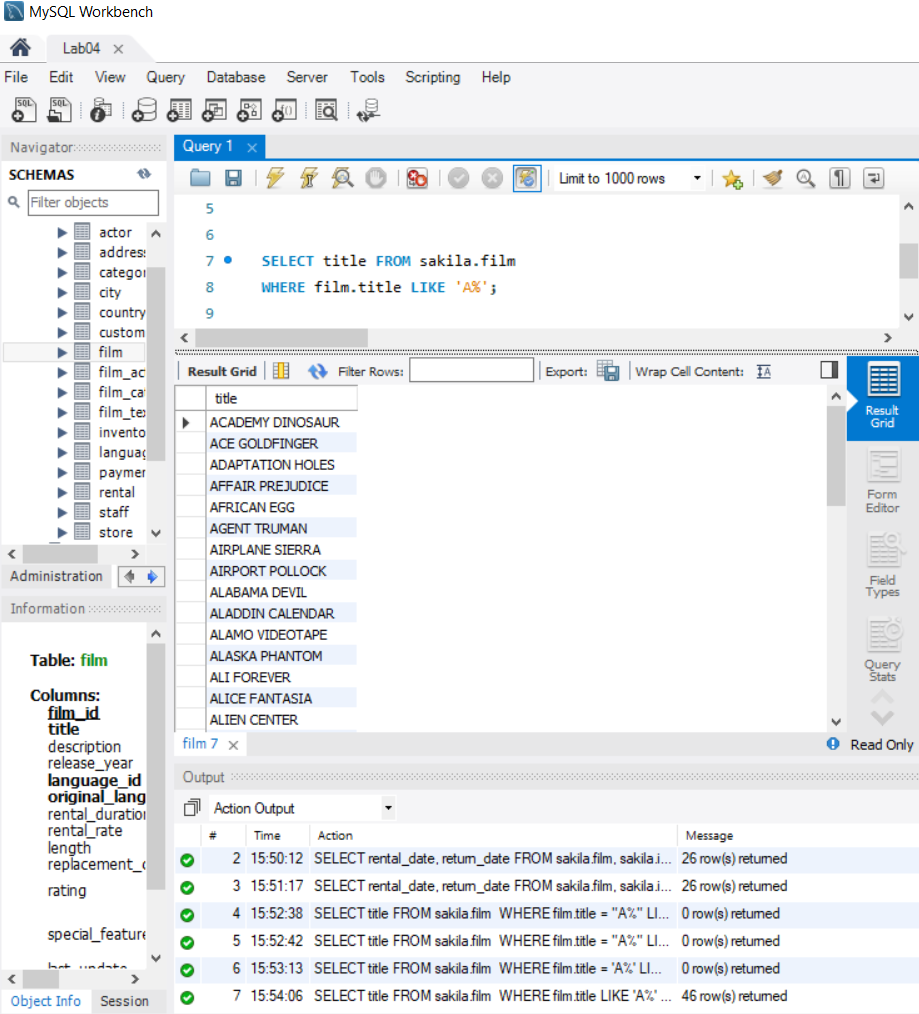
AND city.country\_id = country.country\_id;



1. Retrieve names of movies starting with A.

SELECT title FROM sakila.film

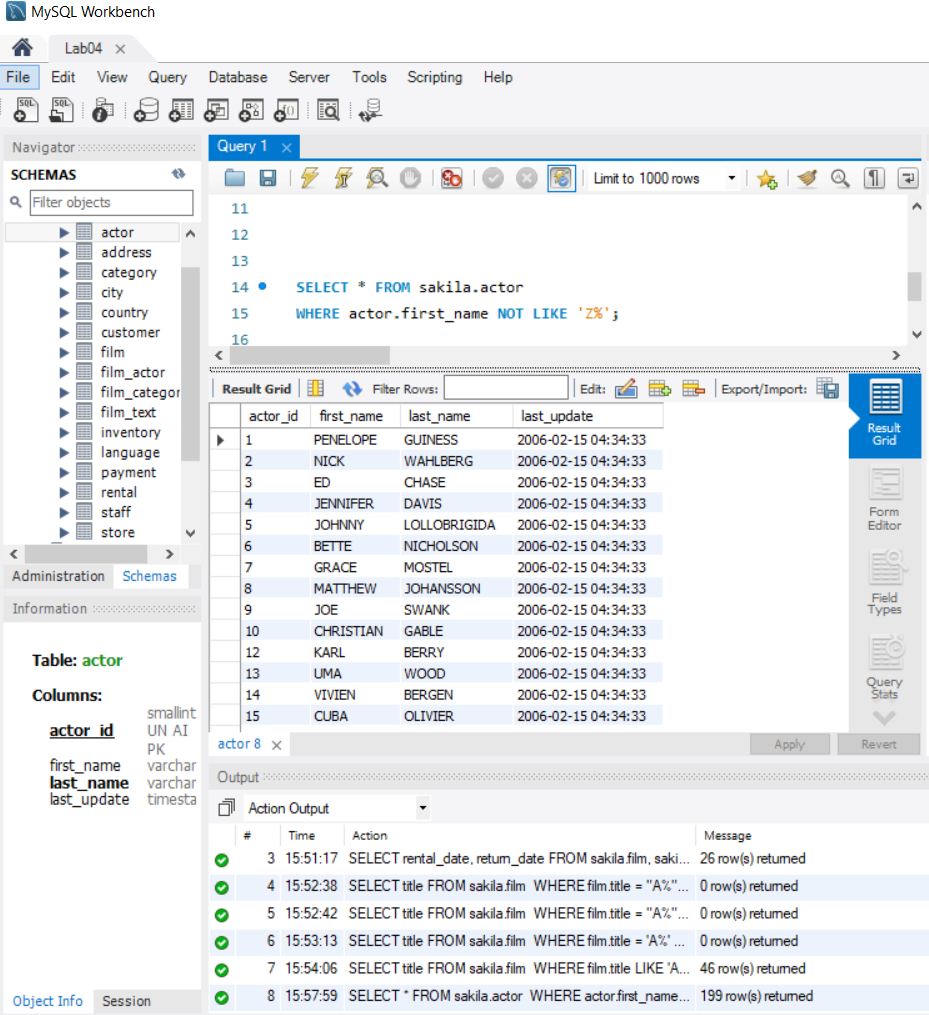
WHERE film.title LIKE 'A%';



1. Retrieve data of all actors whose names are not starting with Z.

SELECT \* FROM sakila.actor

WHERE actor.first\_name NOT LIKE 'Z%';



1. Retrieve rental and return date for the movie ALASKA PHANTOM.

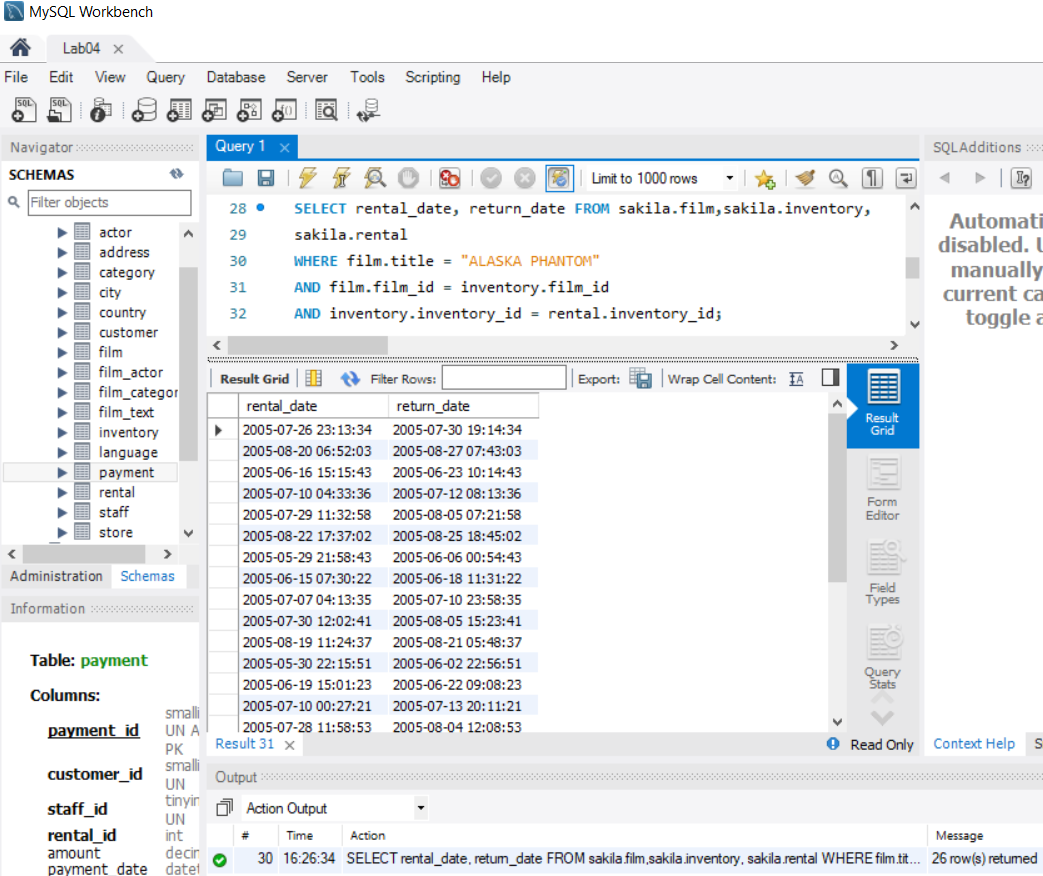
SELECT rental\_date, return\_date FROM sakila.film,sakila.inventory,

sakila.rental

WHERE film.title = "ALASKA PHANTOM"

AND film.film\_id = inventory.film\_id

AND inventory.inventory\_id = rental.inventory\_id;

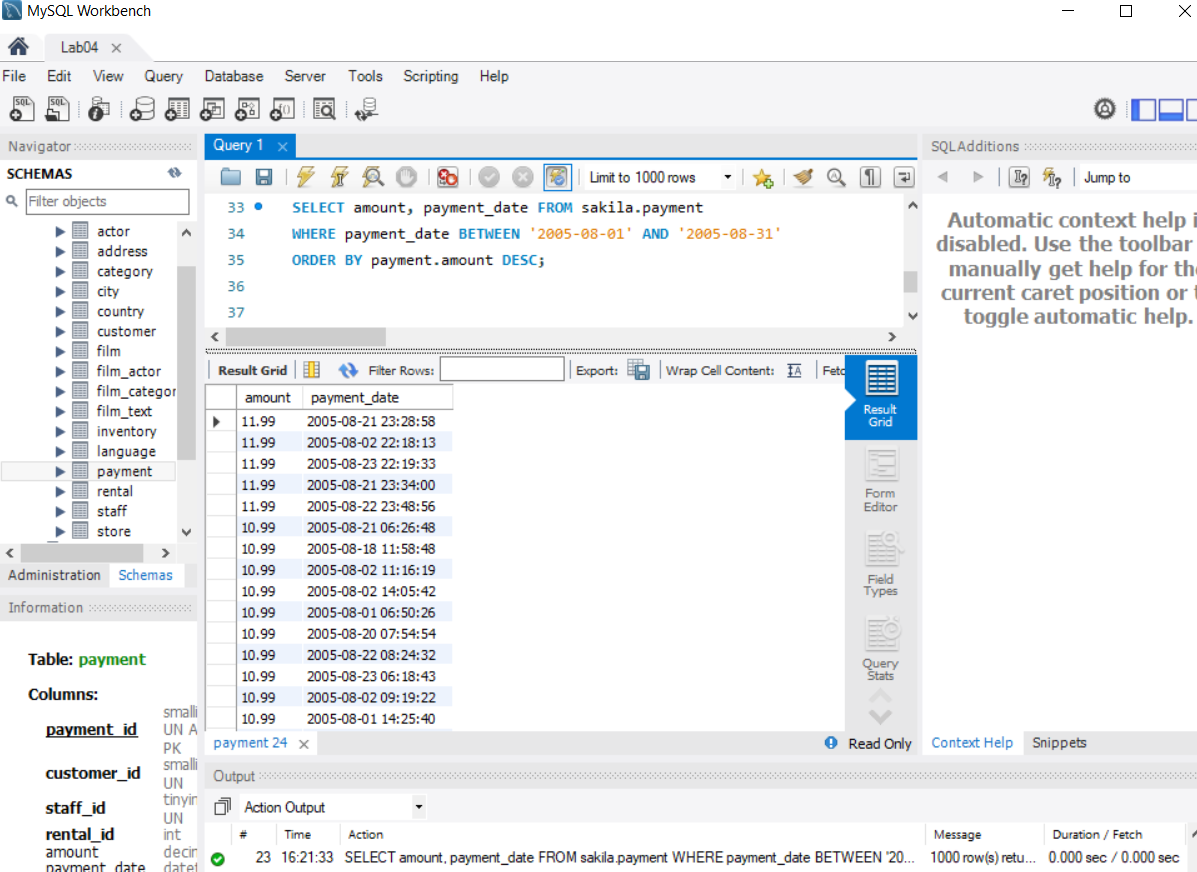


1. Find and display the Income (payments) generated during August 2005. Sort them in the descending order.

SELECT amount, payment\_date FROM sakila.payment

WHERE payment\_date BETWEEN '2005-08-01' AND '2005-08-31'

ORDER BY payment.amount DESC;

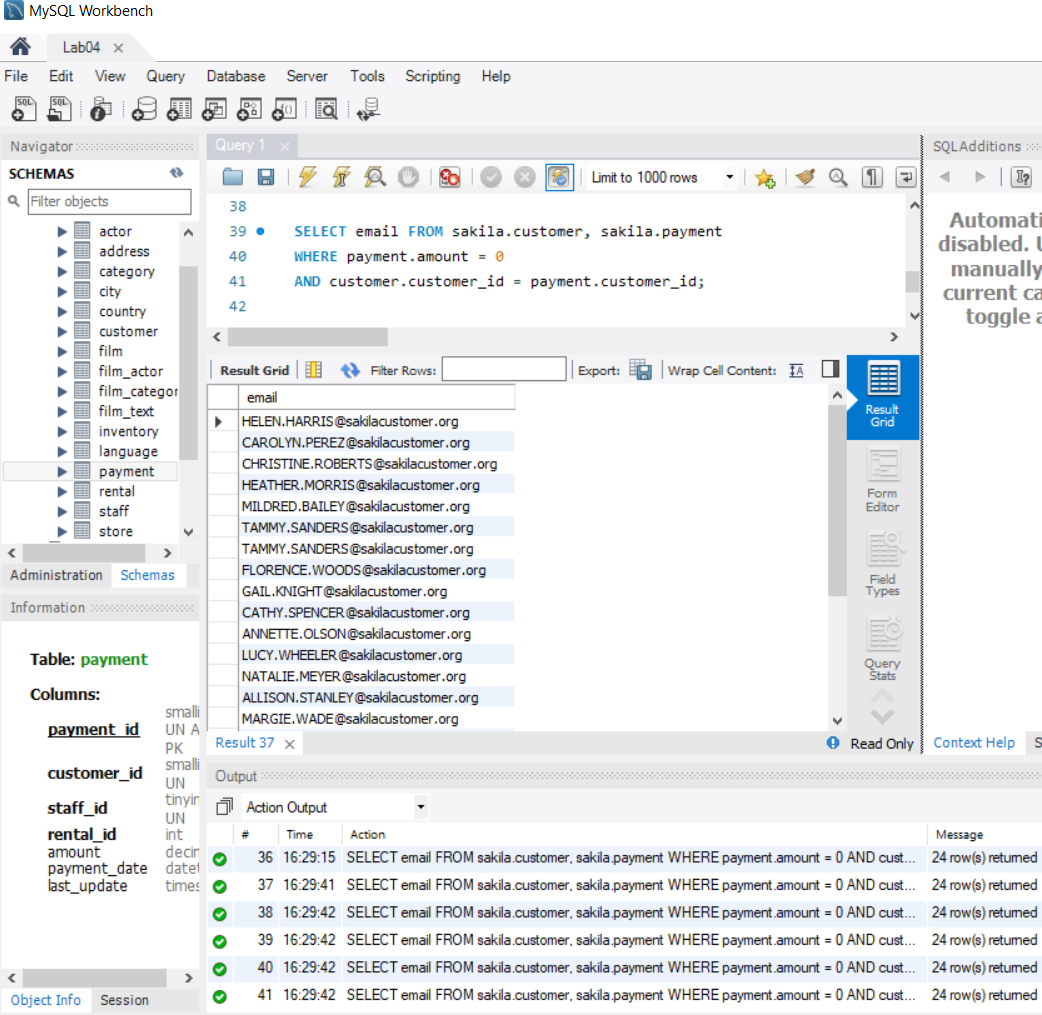


1. Find and display the Email addresses of customers who haven’t paid even a single penny yet.

SELECT email FROM sakila.customer, sakila.payment

WHERE payment.amount = 0

AND customer.customer\_id = payment.customer\_id;



1. Extract information of actors whose names ends with character ‘T’

SELECT \* FROM sakila.actor

WHERE actor.last\_name LIKE '%T';

