SQL-HandsOn2

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Part 1

1. Write a query to find the first and last name, customer ID and rental ID for customers who have rented a film.
   Query:

```
SELECT first_name, last_name, customer_id, rental_id
FROM sakila.customer
INNER JOIN sakila.rental
USING (customer_id);
```

   Results (1000 rows returned):

Result Grid | Filter Rows:

first_name	last_name	customer_id	rental_id
MARY	SMITH	1	76
MARY	SMITH	1	573
MARY	SMITH	1	1185
MARY	SMITH	1	1422
MARY	SMITH	1	1476
MARY	SMITH	1	1725
MARY	SMITH	1	2308
MARY	SMITH	1	2363
MARY	SMITH	1	3284
MARY	SMITH	1	4526
MARY	SMITH	1	4611
MARY	SMITH	1	5244

2. Write a query that finds all films with actors that have an actor_id 5.
   Query:
   SELECT actor_id, first_name, last_name, film_id, title
   FROM sakila.actor
   INNER JOIN sakila.film_actor
   USING(actor_id)
   INNER JOIN sakila.film
   USING(film_id)
   WHERE actor_id = 5;

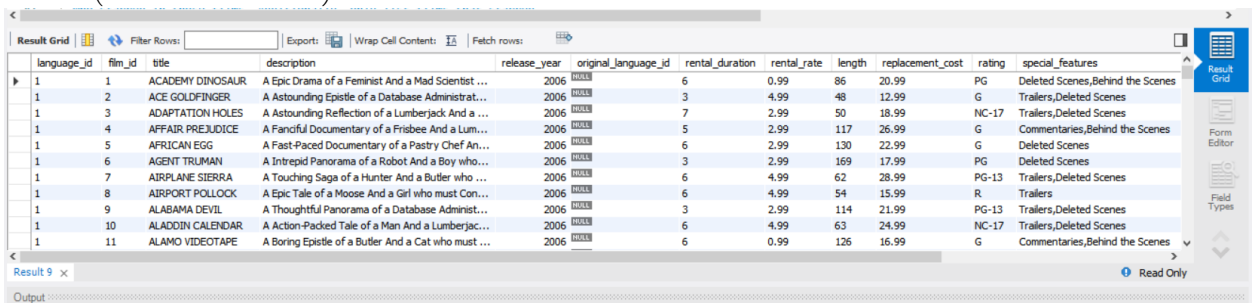
   Results (29 rows returned):

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

actor_id	first_name	last_name	film_id	title
5	JOHNNY	LOLLOBRIGIDA	19	AMADEUS HOLY
5	JOHNNY	LOLLOBRIGIDA	54	BANGER PINOCCHIO
5	JOHNNY	LOLLOBRIGIDA	85	BONNIE HOLOCAUST
5	JOHNNY	LOLLOBRIGIDA	146	CHITTY LOCK
5	JOHNNY	LOLLOBRIGIDA	171	COMMANDMENTS EXPRESS
5	JOHNNY	LOLLOBRIGIDA	172	CONEHEADS SMOOCHY
5	JOHNNY	LOLLOBRIGIDA	202	DADDY PITTSBURGH
5	JOHNNY	LOLLOBRIGIDA	203	DAISY MENAGERIE
5	JOHNNY	LOLLOBRIGIDA	286	ENOUGH RAGING
5	JOHNNY	LOLLOBRIGIDA	288	ESCAPE METROPOLIS
5	JOHNNY	LOLLOBRIGIDA	316	FIRE WOLVES
5	JOHNNY	LOLLOBRIGIDA	340	FRONTIER CABIN

3. Write a query that lists out all information of every film along with the name of the language for each film, even if a language does not exist for that film.
   Query:
   SELECT * FROM sakila.film
   LEFT OUTER JOIN sakila.language
   USING (language_id);

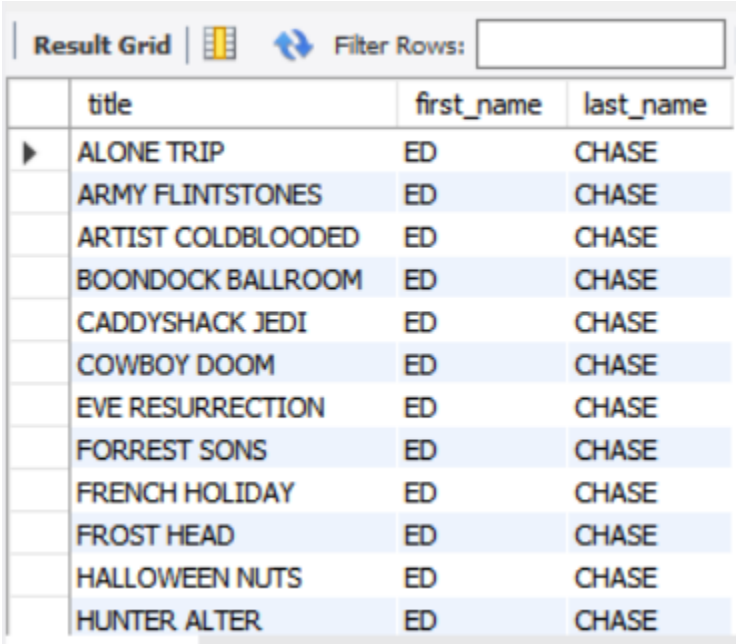
   Results (1000 rows returned):



4. Write a query that lists out the title of films and the name of the actors who starred in those films. Additionally, only list films that starred artists whose first names start with a vowel.
   Query:

```
SELECT title, first_name, last_name FROM sakila.film
JOIN sakila.film_actor
USING (film_id)
JOIN sakila.actor
USING (actor_id)
WHERE first_name LIKE "a%"
OR first_name LIKE "e%"
OR first_name LIKE "i%"
OR first_name LIKE "o"
OR first_name LIKE "u";
```

Results (577 rows returned):



title	first_name	last_name
ALONE TRIP	ED	CHASE
ARMY FLINTSTONES	ED	CHASE
ARTIST COLDBLOODED	ED	CHASE
BOONDOCK BALLROOM	ED	CHASE
CADDYSHACK JEDI	ED	CHASE
COWBOY DOOM	ED	CHASE
EVE RESURRECTION	ED	CHASE
FORREST SONS	ED	CHASE
FRENCH HOLIDAY	ED	CHASE
FROST HEAD	ED	CHASE
HALLOWEEN NUTS	ED	CHASE
HUNTER ALTER	ED	CHASE

Part 2

1. You have just been hired as a Data Analyst for a company that rents films to customers. They would like an inventory list of films that were rented for more than $4.99.
   Query:
   SELECT film_id, title, rental_rate
   FROM sakila.film
   JOIN sakila.inventory
   USING(film_id)
   WHERE rental_rate > 4.99;

   Results (0 rows returned):