

Jaytonn Hunter  
Caleb Vandergriff  
Cristian Quiterio  
Team 14  
11/10/23

## Homework 7

1.

```
SELECT * FROM actor WHERE last_name = 'Kilmer'
```

SELECT \* FROM actor WHERE last\_name = 'Kilmer' | Enter a SQL expression

	actor_id	first_name	last_name	last_upd
1	23	SANDRA	KILMER	2006-02-15
2	45	REESE	KILMER	2006-02-15
3	55	FAY	KILMER	2006-02-15
4	153	MINNIE	KILMER	2006-02-15
5	162	OPRAH	KILMER	2006-02-15

5 row(s) fetched

2.

```
SELECT COUNT(DISTINCT last_name) AS unique_last_names FROM actor
```

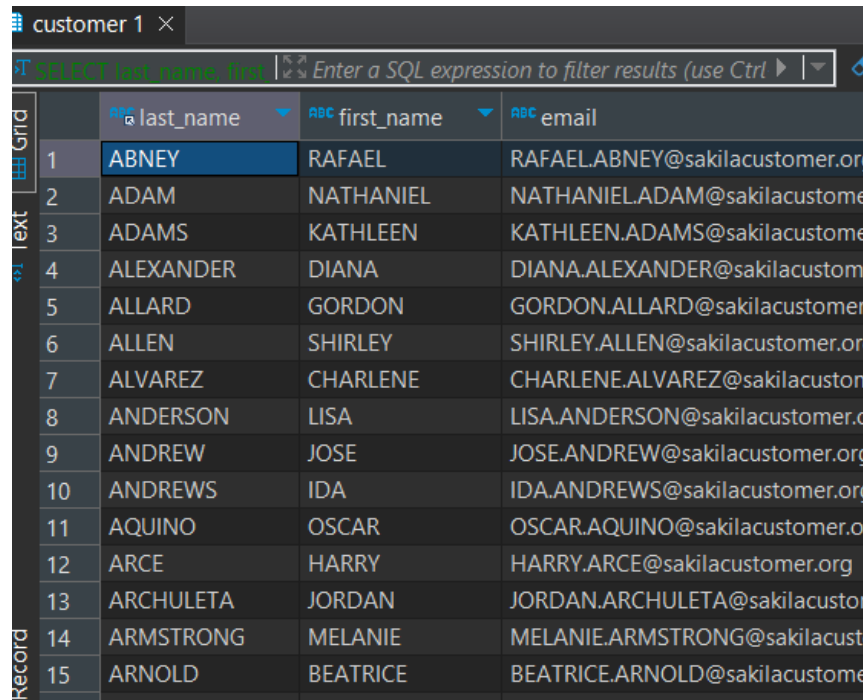
SELECT COUNT(DISTINCT last\_name) AS unique\_last\_names FROM actor | Enter a SQL expression

Grid	unique_last_names
1	121

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3.

```
SELECT last_name, first_name, email FROM customer ORDER BY last_name
```

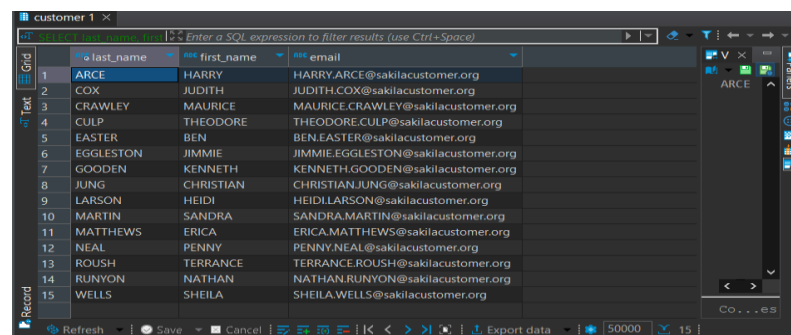


	last_name	first_name	email
1	ABNEY	RAFAEL	RAFAEL.ABNEY@sakilacustomer.org
2	ADAM	NATHANIEL	NATHANIEL.ADAM@sakilacustomer.org
3	ADAMS	KATHLEEN	KATHLEEN.ADAMS@sakilacustomer.org
4	ALEXANDER	DIANA	DIANA.ALEXANDER@sakilacustomer.org
5	ALLARD	GORDON	GORDON.ALLARD@sakilacustomer.org
6	ALLEN	SHIRLEY	SHIRLEY.ALLEN@sakilacustomer.org
7	ALVAREZ	CHARLENE	CHARLENE.ALVAREZ@sakilacustomer.org
8	ANDERSON	LISA	LISA.ANDERSON@sakilacustomer.org
9	ANDREW	JOSE	JOSE.ANDREW@sakilacustomer.org
10	ANDREWS	IDA	IDA.ANDREWS@sakilacustomer.org
11	AQUINO	OSCAR	OSCAR.AQUINO@sakilacustomer.org
12	ARCE	HARRY	HARRY.ARCE@sakilacustomer.org
13	ARCHULETA	JORDAN	JORDAN.ARCHULETA@sakilacustomer.org
14	ARMSTRONG	MELANIE	MELANIE.ARMSTRONG@sakilacustomer.org
15	ARNOLD	BEATRICE	BEATRICE.ARNOLD@sakilacustomer.org

... 599 row(s) fetched

4.

```
SELECT last_name, first_name, email  
FROM customer  
WHERE active = 0  
ORDER BY last_name
```



	last_name	first_name	email
1	ARCE	HARRY	HARRY.ARCE@sakilacustomer.org
2	COX	JUDITH	JUDITH.COX@sakilacustomer.org
3	CRAWLEY	MAURICE	MAURICE.CRAWLEY@sakilacustomer.org
4	CULP	THEODORE	THEODORE.CULP@sakilacustomer.org
5	EASTER	BEN	BEN.EASTER@sakilacustomer.org
6	EGGLESTON	JIMMIE	JIMMIE.EGGLESTON@sakilacustomer.org
7	GOODEN	KENNETH	KENNETH.GOODEN@sakilacustomer.org
8	JUNG	CHRISTIAN	CHRISTIAN.JUNG@sakilacustomer.org
9	LARSON	HEIDI	HEIDI.LARSON@sakilacustomer.org
10	MARTIN	SANDRA	SANDRA.MARTIN@sakilacustomer.org
11	MATTHEWS	ERICA	ERICA.MATTHEWS@sakilacustomer.org
12	NEAL	PENNY	PENNY.NEAL@sakilacustomer.org
13	ROUSH	TERRANCE	TERRANCE.ROUSH@sakilacustomer.org
14	RUNYON	NATHAN	NATHAN.RUNYON@sakilacustomer.org
15	WELLS	SHEILA	SHEILA.WELLS@sakilacustomer.org

15 row(s) fetched

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5.

```
SELECT last_name, first_name, address, phone, district
FROM customer
inner JOIN address ON customer.address_id = address.address_id;
```

	last_name	first_name	address	phone	district
1	SMITH	MARY	1913 Hanoi Way	28303384290	Nagasaki
2	JOHNSON	PATRICIA	1121 Loja Avenue	838635286649	California
3	WILLIAMS	LINDA	692 Joliet Street	448477190408	Attika
4	JONES	BARBARA	1566 Inegöl Manor	705814003527	Mandalay
5	BROWN	ELIZABETH	53 Idfu Parkway	10655648674	Nantou
6	DAVIS	JENNIFER	1795 Santiago de Compostela Way	860452626434	Texas
7	MILLER	MARIA	900 Santiago de Compostela Parkway	716571220373	Central Serbia
8	WILSON	SUSAN	478 Joliet Way	657282285970	Hamilton
9	MOORE	MARGARET	613 Korolev Drive	380657522649	Masqat
10	TAYLOR	DOROTHY	1531 Salé Drive	648856936185	Esfahan
11	ANDERSON	LISA	1542 Tariac Parkway	635297277345	Kanagawa
12	THOMAS	NANCY	808 Bhopal Manor	465887807014	Haryana
13	JACKSON	KAREN	270 Amroha Parkway	695479687538	Osmaniye
14	WHITE	BETTY	770 Bydgoszcz Avenue	517338314235	California
15	HARRIS	HELEN	419 Iligan Lane	990911107354	Madhya Pradesh
16	MARTIN	SANDRA	360 Toulouse Parkway	949312333307	England

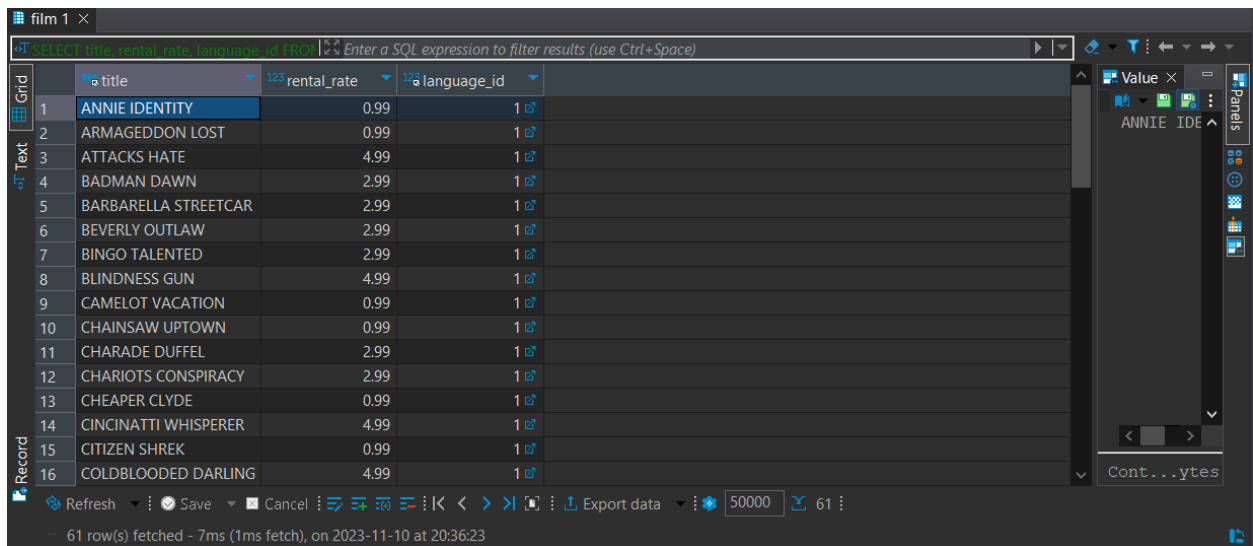
6.

```
SELECT last_name, first_name, address, phone, district, city, country
FROM customer
inner JOIN address ON customer.address_id = address.address_id
inner join city on address.city_id = city.city_id
inner join country on city.country_id = country.country_id
where active=0;
```

	last_name	first_name	address	phone	district	city	country
1	COX	JUDITH	1966 Amroha Avenue	333489324603	Sichuan	Daxian	China
2	MATTHEWS	ERICA	1294 Firozabad Drive	161801569569	Ji'angxi	Pingxiang	China
3	LARSON	HEIDI	1103 Bilbays Parkway	279979529227	Hubei	Xi'angfan	China
4	ROUSH	TERRANCE	42 Fontana Avenue	437829801725	Fejr	Székesfehérvár	Hungary
5	JUNG	CHRISTIAN	949 Allende Lane	122981120653	Uttar Pradesh	Amroha	India
6	NEAL	PENNY	1675 Xi'angfan Manor	271149517630	Tamil Nadu	Kumbakonam	India
7	CULP	THEODORE	1704 Tambaram Manor	39463554936	West Bengali	Uluberia	India
8	ARCE	HARRY	1922 Miraj Way	320471479776	Esfahan	Najafabad	Iran
9	GOODEN	KENNETH	1542 Lubumbashi Boulevard	508800331065	Tel Aviv	Bat Yam	Israel
10	CRAWLEY	MAURICE	1785 São Bernardo do Campo Street	684529463244	Veracruz	Coatzacoalcas	Mexico
11	EGGLESTON	JIMMIE	505 Madiun Boulevard	970638808606	Dolnoslaskie	Wroclaw	Poland
12	EASTER	BEN	886 Tonghae Place	711928348157	Volgograd	Kamyšin	Russian Federation
13	WELLS	SHEILA	848 Tafuna Manor	614935229095	Kütahya	Kütahya	Turkey
14	MARTIN	SANDRA	360 Toulouse Parkway	949312333307	England	Southend-on-Sea	United Kingdom
15	RUNYON	NATHAN	264 Bhimavaram Manor	302526949177	St Thomas	Charlotte Amalie	Virgin Islands, U.S.

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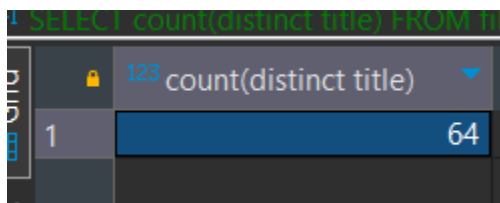
```
7.
SELECT title, rental_rate, language_id
FROM film
inner join film_category on film.film_id = film_category.film_id
WHERE category_id = 14;
```



	title	rental_rate	language_id
1	ANNIE IDENTITY	0.99	1
2	ARMAGEDDON LOST	0.99	1
3	ATTACKS HATE	4.99	1
4	BADMAN DAWN	2.99	1
5	BARBARELLA STREETCAR	2.99	1
6	BEVERLY OUTLAW	2.99	1
7	BINGO TALENTED	2.99	1
8	BLINDNESS GUN	4.99	1
9	CAMELOT VACATION	0.99	1
10	CHAINSAW UPTOWN	0.99	1
11	CHARADE DUFFEL	2.99	1
12	CHARIOTS CONSPIRACY	2.99	1
13	CHEAPER CLYDE	0.99	1
14	CINCINATTI WHISPERER	4.99	1
15	CITIZEN SHREK	0.99	1
16	COLDBLOODED DARLING	4.99	1

8.

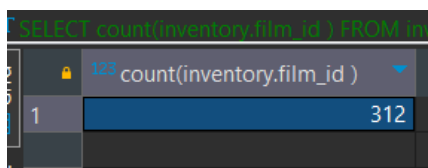
```
SELECT count(distinct title)
FROM film
inner join film_category on film.film_id = film_category.film_id
WHERE category_id = 1;
```



	count(distinct title)
1	64

9.

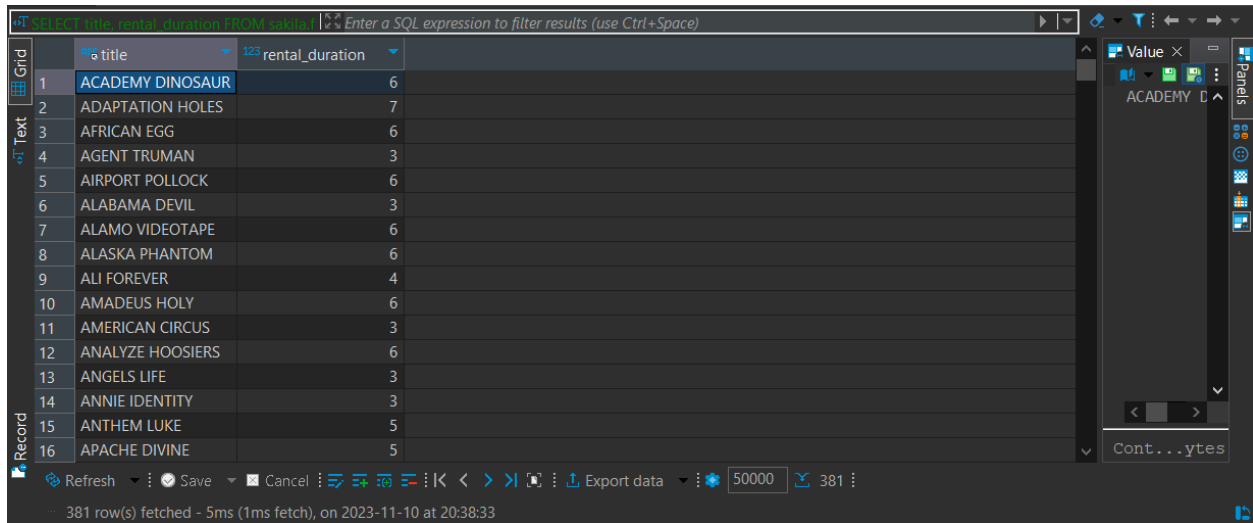
```
SELECT count(inventory.film_id )
FROM inventory
inner join film_category on inventory.film_id = film_category.film_id
WHERE category_id = 1;
```



	count(inventory.film_id )
1	312

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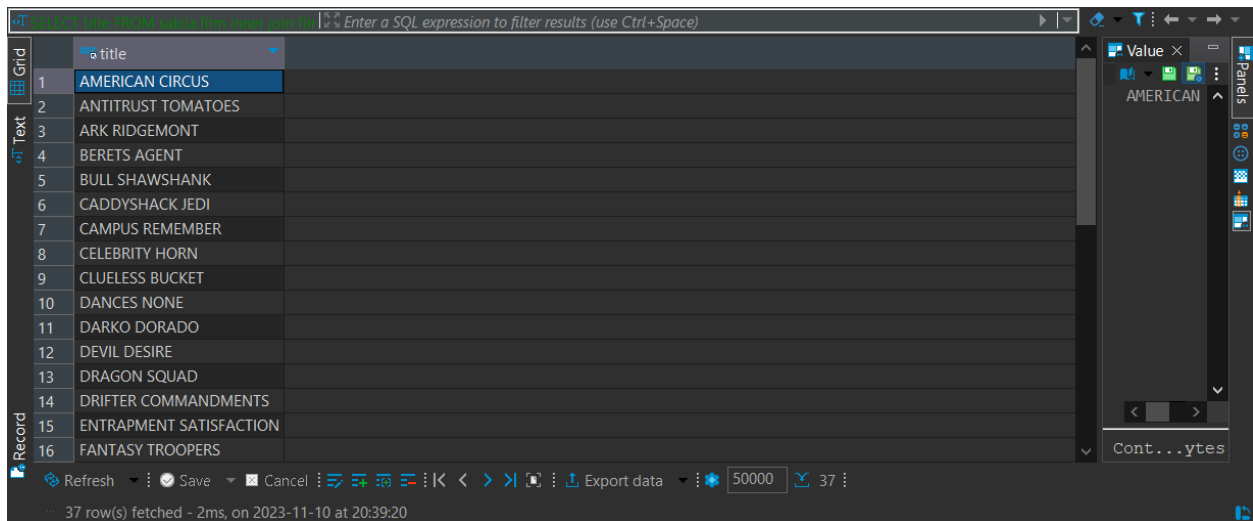
```
10.
SELECT title, rental_duration
FROM sakila.film
WHERE replacement_cost BETWEEN 15 AND 23;
```



	title	rental_duration
1	ACADEMY DINOSAUR	6
2	ADAPTATION HOLES	7
3	AFRICAN EGG	6
4	AGENT TRUMAN	3
5	AIRPORT POLLOCK	6
6	ALABAMA DEVIL	3
7	ALAMO VIDEOTAPE	6
8	ALASKA PHANTOM	6
9	ALI FOREVER	4
10	AMADEUS HOLY	6
11	AMERICAN CIRCUS	3
12	ANALYZE HOOSIERS	6
13	ANGELS LIFE	3
14	ANNIE IDENTITY	3
15	ANTHEM LUKE	5
16	APACHE DIVINE	5

11.

```
SELECT title
FROM sakila.film
inner join film_category on film.film_id = film_category.film_id
WHERE category_id = 1 AND rating IN ('PG-13', 'R', 'NC-17');
```

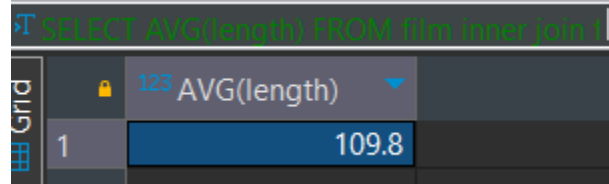


	title	rental_duration
1	AMERICAN CIRCUS	
2	ANTITRUST TOMATOES	
3	ARK RIDGEMONT	
4	BERETS AGENT	
5	BULL SHAWSHANK	
6	CADDYSHACK JEDI	
7	CAMPUS REMEMBER	
8	CELEBRITY HORN	
9	CLUELESS BUCKET	
10	DANCES NONE	
11	DARKO DORADO	
12	DEVIL DESIRE	
13	DRAGON SQUAD	
14	DRIFTER COMMANDMENTS	
15	ENTRAPMENT SATISFACTION	
16	FANTASY TROOPERS	

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12.

```
SELECT AVG(length)
FROM film
inner join film_category on film.film_id = film_category.film_id
WHERE category_id=3;
```

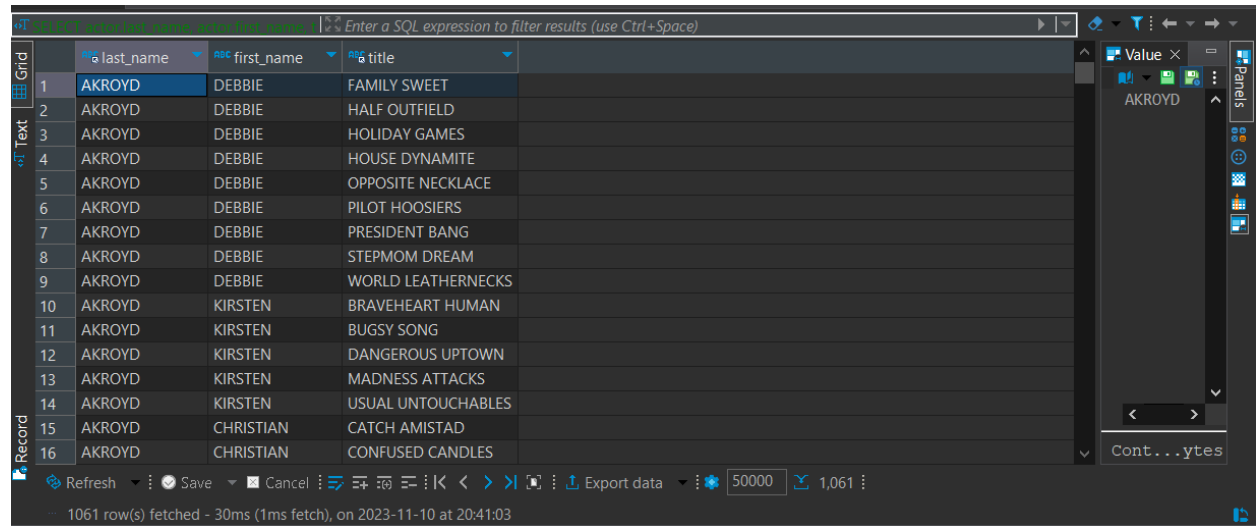


The screenshot shows a database client interface. At the top, a SQL query is entered: `SELECT AVG(length) FROM film inner join film_category on film.film_id = film_category.film_id WHERE category_id=3;`. Below the query, a table with one row is displayed. The column header is `AVG(length)` and the value is `109.8`.

AVG(length)
109.8

13.

```
SELECT actor.last_name, actor.first_name, title
FROM actor
inner join film_actor on actor.actor_id = film_actor.actor_id
inner join film_category on film_actor.film_id = film_category.film_id
inner join film on film.film_id = film_category.film_id
WHERE category_id=11 or category_id=9 or category_id=8
ORDER BY actor.last_name;
```



The screenshot shows a database client interface. At the top, a SQL query is entered: `SELECT actor.last_name, actor.first_name, title FROM actor inner join film_actor on actor.actor_id = film_actor.actor_id inner join film_category on film_actor.film_id = film_category.film_id inner join film on film.film_id = film_category.film_id WHERE category_id=11 or category_id=9 or category_id=8 ORDER BY actor.last_name;`. Below the query, a table with 16 rows is displayed. The columns are `last_name`, `first_name`, and `title`. The results are ordered by `last_name`.

last_name	first_name	title
AKROYD	DEBBIE	FAMILY SWEET
AKROYD	DEBBIE	HALF OUTFIELD
AKROYD	DEBBIE	HOLIDAY GAMES
AKROYD	DEBBIE	HOUSE DYNAMITE
AKROYD	DEBBIE	OPPOSITE NECKLACE
AKROYD	DEBBIE	PILOT HOOSIERS
AKROYD	DEBBIE	PRESIDENT BANG
AKROYD	DEBBIE	STEPMOM DREAM
AKROYD	DEBBIE	WORLD LEATHERNECKS
AKROYD	KIRSTEN	BRAVEHEART HUMAN
AKROYD	KIRSTEN	BUGSY SONG
AKROYD	KIRSTEN	DANGEROUS UPTOWN
AKROYD	KIRSTEN	MADNESS ATTACKS
AKROYD	KIRSTEN	USUAL UNTOUCHABLES
AKROYD	CHRISTIAN	CATCH AMISTAD
AKROYD	CHRISTIAN	CONFUSED CANDLES

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14.

```
SELECT actor.last_name, actor.first_name, title, category.name as category
FROM actor
inner join film_actor on actor.actor_id = film_actor.actor_id
inner join film_category on film_actor.film_id = film_category.film_id
inner join film on film.film_id = film_category.film_id
inner join category on film_category.category_id = category.category_id
WHERE category.category_id =11 or category.category_id=8
ORDER BY actor.last_name;
```

	last_name	first_name	title	category
1	AKROYD	DEBBIE	OPPOSITE NECKLACE	Family
2	AKROYD	CHRISTIAN	CONFUSED CANDLES	Family
3	AKROYD	DEBBIE	PILOT HOOSIERS	Family
4	AKROYD	DEBBIE	FAMILY SWEET	Horror
5	AKROYD	DEBBIE	PRESIDENT BANG	Family
6	AKROYD	DEBBIE	WORLD LEATHERNECKS	Horror
7	AKROYD	CHRISTIAN	SINNERS ATLANTIS	Horror
8	AKROYD	DEBBIE	HALF OUTFIELD	Family
9	AKROYD	KIRSTEN	BRAVEHEART HUMAN	Family
10	AKROYD	DEBBIE	HOUSE DYNAMITE	Family
11	AKROYD	CHRISTIAN	STREETCAR INTENTIONS	Horror
12	ALLEN	CUBA	ARACHNOPHOBIA ROLLERCOASTER	Horror
13	ALLEN	CUBA	PRESIDENT BANG	Family
14	ALLEN	KIM	KARATE MOON	Horror
15	ALLEN	KIM	LOLA AGENT	Horror
16	ALLEN	KIM	SOUP WISDOM	Family

664 row(s) fetched - 9ms (1ms fetch), on 2023-11-10 at 20:41:41

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15.

```
SELECT c.last_name, c.first_name, c.email
FROM sakila.customer c
JOIN sakila.rental r ON c.customer_id = r.customer_id
JOIN sakila.inventory i ON r.inventory_id = i.inventory_id
JOIN sakila.film_actor fa ON i.film_id = fa.film_id
JOIN sakila.actor a ON fa.actor_id = a.actor_id
WHERE a.first_name IN ('NICK', 'MATTHEW', 'RITA') AND a.last_name IN ('WAHLBERG',
'JOHANSSON', 'REYNOLDS')
GROUP BY c.customer_id;
```

	last_name	first_name	email
1	SMITH	MARY	MARY.SMITH@sakilacustomer.org
2	JOHNSON	PATRICIA	PATRICIA.JOHNSON@sakilacustomer.org
3	WILLIAMS	LINDA	LINDA.WILLIAMS@sakilacustomer.org
4	JONES	BARBARA	BARBARA.JONES@sakilacustomer.org
5	BROWN	ELIZABETH	ELIZABETH.BROWN@sakilacustomer.org
6	MILLER	MARIA	MARIA.MILLER@sakilacustomer.org
7	WILSON	SUSAN	SUSAN.WILSON@sakilacustomer.org
8	MOORE	MARGARET	MARGARET.MOORE@sakilacustomer.org
9	ANDERSON	LISA	LISA.ANDERSON@sakilacustomer.org
10	THOMAS	NANCY	NANCY.THOMAS@sakilacustomer.org
11	JACKSON	KAREN	KAREN.JACKSON@sakilacustomer.org
12	WHITE	BETTY	BETTY.WHITE@sakilacustomer.org
13	HARRIS	HELEN	HELEN.HARRIS@sakilacustomer.org
14	THOMPSON	DONNA	DONNA.THOMPSON@sakilacustomer.org
15	MARTINEZ	RUTH	RUTH.MARTINEZ@sakilacustomer.org
16	ROBINSON	SHARON	SHARON.ROBINSON@sakilacustomer.org

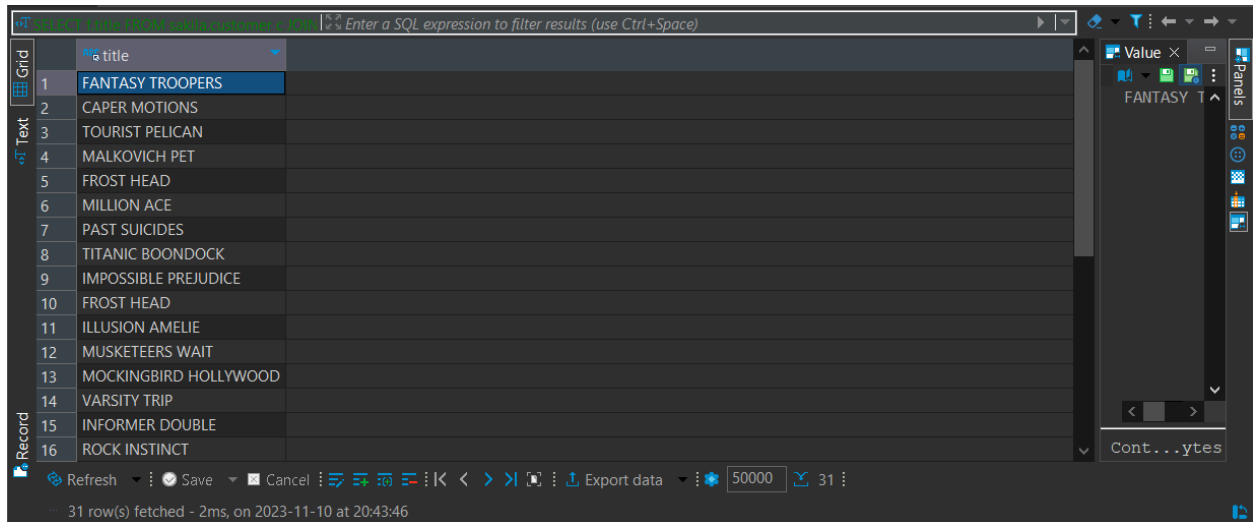
463 row(s) fetched - 15ms (1ms fetch), on 2023-11-10 at 20:42:21



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16.

```
SELECT f.title
FROM sakila.customer c
JOIN sakila.rental r ON c.customer_id = r.customer_id
JOIN sakila.inventory i ON r.inventory_id = i.inventory_id
JOIN sakila.film f ON i.film_id = f.film_id
WHERE c.first_name = 'HOLLY' AND c.last_name = 'FOX';
```



SQL Query: `SELECT title FROM sakila.customer c JOIN sakila.rental r ON c.customer_id = r.customer_id JOIN sakila.inventory i ON r.inventory_id = i.inventory_id JOIN sakila.film f ON i.film_id = f.film_id WHERE c.first_name = 'HOLLY' AND c.last_name = 'FOX';`

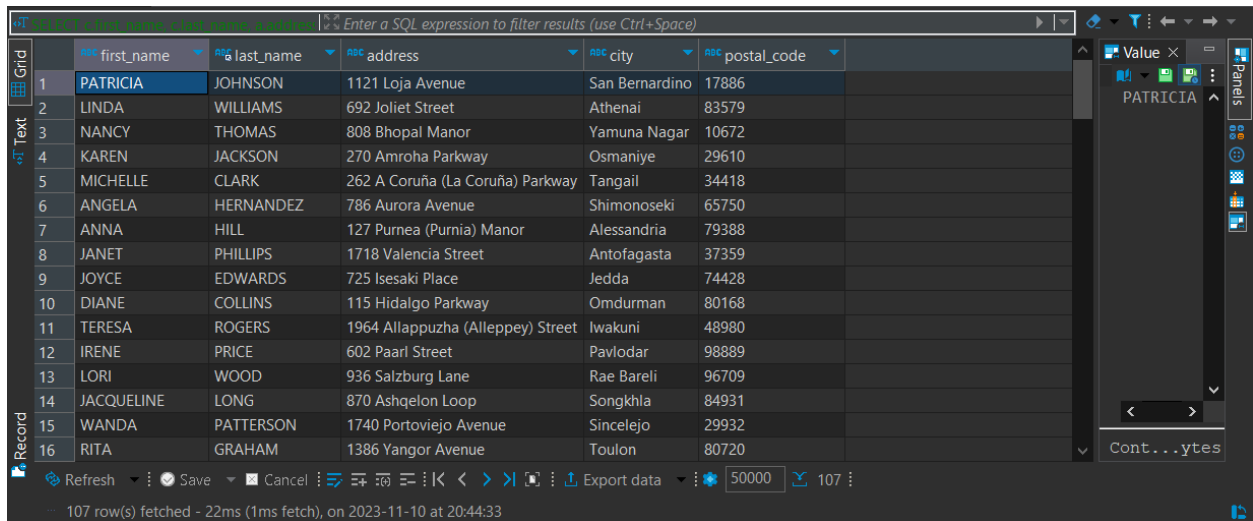
	title
1	FANTASY TROOPERS
2	CAPER MOTIONS
3	TOURIST PELICAN
4	MALKOVICH PET
5	FROST HEAD
6	MILLION ACE
7	PAST SUICIDES
8	TITANIC BOONDOCK
9	IMPOSSIBLE PREJUDICE
10	FROST HEAD
11	ILLUSION AMELIE
12	MUSKETEERS WAIT
13	MOCKINGBIRD HOLLYWOOD
14	VARSITY TRIP
15	INFORMER DOUBLE
16	ROCK INSTINCT

31 row(s) fetched - 2ms, on 2023-11-10 at 20:43:46

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17.

```
SELECT c.first_name, c.last_name, a.address, ci.city, a.postal_code
FROM sakila.customer c
JOIN sakila.payment p ON c.customer_id = p.customer_id
JOIN sakila.address a ON c.address_id = a.address_id
JOIN sakila.city ci ON a.city_id = ci.city_id
WHERE p.amount BETWEEN 10 AND 12
GROUP BY c.customer_id;
```



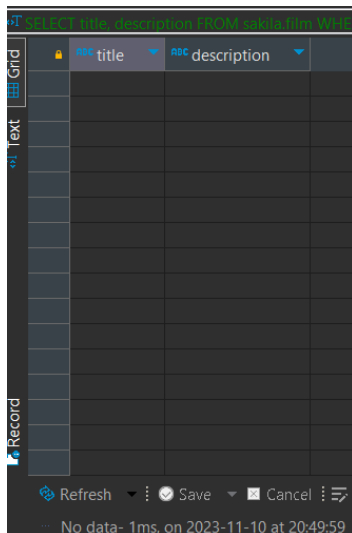
The screenshot shows a database client interface with a table containing 16 rows of customer data. The table has columns for first\_name, last\_name, address, city, and postal\_code. The data is as follows:

	first_name	last_name	address	city	postal_code
1	PATRICIA	JOHNSON	1121 Loja Avenue	San Bernardino	17886
2	LINDA	WILLIAMS	692 Joliet Street	Athenai	83579
3	NANCY	THOMAS	808 Bhopal Manor	Yamuna Nagar	10672
4	KAREN	JACKSON	270 Amroha Parkway	Osmaniye	29610
5	MICHELLE	CLARK	262 A Coruña (La Coruña) Parkway	Tangail	34418
6	ANGELA	HERNANDEZ	786 Aurora Avenue	Shimonoseki	65750
7	ANNA	HILL	127 Purnea (Purnia) Manor	Alessandria	79388
8	JANET	PHILLIPS	1718 Valencia Street	Antofagasta	37359
9	JOYCE	EDWARDS	725 Isesaki Place	Jedda	74428
10	DIANE	COLLINS	115 Hidalgo Parkway	Omdurman	80168
11	TERESA	ROGERS	1964 Allappuzha (Alleppey) Street	Iwakuni	48980
12	IRENE	PRICE	602 Paarl Street	Pavlodar	98889
13	LORI	WOOD	936 Salzburg Lane	Rae Bareli	96709
14	JACQUELINE	LONG	870 Ashqelon Loop	Songkhla	84931
15	WANDA	PATTERSON	1740 Portoviejo Avenue	Sincelejo	29932
16	RITA	GRAHAM	1386 Yangor Avenue	Toulon	80720

The interface also shows a status bar at the bottom indicating "107 row(s) fetched - 22ms (1ms fetch), on 2023-11-10 at 20:44:33".

18.

```
SELECT title, description
FROM sakila.film
WHERE language_id <> 1; # Assuming 1 is the ID for English
```



The screenshot shows a database client interface with an empty table. The table has columns for title and description. The status bar at the bottom indicates "No data- 1ms, on 2023-11-10 at 20:49:59".

	title	description
--	-------	-------------