Name: Thanawin Pattanaphol ID: 01324096 Date: 27th August 2025

Screenshot of PostgreSQL installation

```
psql (Postgres@ ~]$ psql --version
psql (PostgreSQL) 16.9 (Ubuntu 16.9-0ubuntu0.24.04.1)
psql (postgres@ ~]$
```

DVD rental tables

```
[postgres@ ~]$ psql -U postgres -d dvdrental
psql (16.9 (Ubuntu 16.9-0ubuntu0.24.04.1))
Type "help" for help.
dvdrental=# \dt
          List of relations
Schema | Name | Type | Owner
public | actor | table | postgres
public | address | table | postgres
public | category | table | postgres
public | city
                    | table | postgres
public | country | table | postgres
public | customer
                   | table | postgres
public | film
                    | table | postgres
public | film_actor | table | postgres
public | film_category | table | postgres
public | inventory | table | postgres
public | language | table | postgres
public | payment | table | postgres
public | rental
                    | table | postgres
public | staff  | table | postgres
(15 rows)
dvdrental=#
```

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Results of each SQL queries (Rows limited to 40 rows)

1. Display the first name and last name of all actors.

SELECT first_name, last_name FROM
actor LIMIT 40;

	11111 107
dvdrental=# 9	SELECT first_name, last_name FROM actor LIMIT 40;
first_name	last_name
- 3	
	Guiness
	Wahlberg
	Chase Davis
	Davis Lollobrigida
*	Lollobrigida Nicholson
	Mostel
	Johansson
	Swank
	Gable
	Cage
	Berry
	Wood
	Bergen
	Olivier
	Costner
Helen	Voight
Dan	Torn
Bob	Fawcett
Lucille	Tracy
Kirsten	Paltrow
Elvis	Marx
Sandra	Kilmer
Cameron	Streep
Kevin	Bloom
Rip	Crawford
	Mcqueen
,	Hoffman
	Wayne
	Peck
,	Sobieski
	Hackman
	Peck Olivier
,	Dean
*	Dukakis
	Bolger
	Mckellen
	Brody
	Cage
(40 rows)	
dvdrental=#	
I	

2. Show the title and rental duration of all films.

SELECT title, rental_duration
FROM film LIMIT 40;

	tal_duration FROM film LIMIT 40
title	rental_duration +
Chamber Italian	 l 7
Grosse Wonderful	, , 5
Airport Pollock	l 6
Bright Encounters	1 4
Academy Dinosaur	l 6
Ace Goldfinger	, , 3
Adaptation Holes	, , , , , , , , , , , , , , , , , , ,
Affair Prejudice	, . I 5
African Egg	,
Agent Truman	, 3
Airplane Sierra	,
Alabama Devil	, , 3
Aladdin Calendar	,
Alamo Videotape	, I 6
Alaska Phantom	, 6
Date Speed	1 4
Ali Forever	I 4
Alice Fantasia	, . I 6
Alien Center	, I 5
Alley Evolution	I 6
Alone Trip	, I 3
Alter Victory	I 6
Amadeus Holy	, I 6
Amelie Hellfighters	I 4
American Circus	3
Amistad Midsummer	6
Anaconda Confessions	3
Analyze Hoosiers	6
Angels Life	3
Annie Identity	3
Anonymous Human	7
Anthem Luke	5
Antitrust Tomatoes	5
Anything Savannah	4
Apache Divine	5
Apocalypse Flamingos	6
Apollo Teen	5
Arabia Dogma	
Arachnophobia Rollercoaster	4
Argonauts Town	7
(40 rows)	
dvdrental=#	

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3. List the names and emails of all customers who live in the city "London." SQL command:

```
SELECT first_name, last_name, email
FROM customer CU
INNER JOIN address A ON A.address_id = CU.address_id
INNER JOIN city C ON C.city_id = A.city_id
WHERE C.city = 'London';
```

```
dvdrental=# SELECT first_name, last_name, email
FROM customer CU
INNER JOIN address A ON A.address_id = CU.address_id
INNER JOIN city C ON C.city_id = A.city_id
WHERE C.city = 'London';
first_name | last_name | email

Mattie | Hoffman | mattie.hoffman@sakilacustomer.org
Cecil | Vines | cecil.vines@sakilacustomer.org
(2 rows)
```

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4. Show the film titles that have a rental rate greater than \$4.00.

SELECT title FROM film WHERE rental rate > 4.00 LIMIT 40;

Chamber Italian Grosse Wonderful Airport Pollock Bright Encounters Ace Goldfinger Airplane Sierra Aladdin Calendar Ali Forever Amelie Hellfighters American Circus Anthem Luke Apache Divine Apocalypse Flamingos Dying Maker Attacks Hate Attraction Newton Autumn Crow Baby Hall Backlash Undefeated Casualties Encino Beast Hunchback Beauty Grease Behavior Runaway Betrayed Rear Bikini Borrowers Bilko Anonymous Birch Antitrust Bird Independence

Birds Perdition

Blindness Gun Boiled Dares

Boogie Amelie

Bowfinger Gables

Brannigan Sunrise

Brooklyn Desert

Bubble Grosse

(40 rows)

Breakfast Goldfinger

Bucket Brotherhood

Calendar Gunfight

Born Spinal

5. Find all films that are in the "Comedy" category.

SELECT *
FROM film F
INNER JOIN film_category FC ON
FC.film_id = F.film_id
WHERE FC.category_id = 5
LIMIT 40;

dvdrental=# SELECT title, release_year, rating INNER JOIN film_category FC ON FC.film_id = F.film_id WHERE FC.category_id = 5 LIMIT 40; title | release_year | rating Airplane Sierra | 2006 | PG-13
Anthem Luke | 2006 | PG-13
Dying Maker | 2006 | PG
Bringing Hysterical | 2006 | PG
Caper Motions | 2006 | G
Cat Coneheads | 2006 | G
Closer Bang | 2006 | R
Connection Microcosmos | 2006 | G
Control Anthem | 2006 | G
Crazy Home | 2006 | PG
Daddy Pittsburgh | 2006 | R
Doom Dancing | 2006 | R
Downhill Enough | 2006 | R
Ferris Mother | 2006 | PG
Fireball Philadelphia | 2006 | PG
Firedom Cleopatra | 2006 | PG-13
Gold River | 2006 | R
Frankenstein Stranger | 2006 | PG-13 2006 | PG-13 2006 | R 2006 | PG-13 2006 | PG-17 2006 | PG 2006 | PG 2006 | NC-17 2006 | G 2006 | G 2006 | NC-17 2006 | PG-13 2006 | PG-13 2006 | PG-13 2006 | PG-17 2006 | PG-17 2006 | PG-18 2006 | PG-18 Gold River
Groundhog Uncut | Hate Handicap Heaven Freedom Hedwig Alter Hurricane Affair Knock Warlock Lion Uncut Lonely Elephant Mallrats United 2006 | NC-17 2006 | G Memento Zoolander Mulan Moon 2006 | NC-17 2006 | G 2006 | PG-13 Mystic Truman Operation Operation | 2006 | PG 2006 | PG-13 Party Knock Perfect Groove (40 rows) dvdrental=#