This is a snowflake Schema because there are multiple dimension tables connected to other dimension tables.

Fact Table:

Film_Actor:

Actor_id   SMALLINT: The actor's id number

Film_id   SMALLINT: The film's id number

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Inventory:

Inventory_id   SERIAL: The inventory's id number

Film_id   SMALLINT: The film's id number

Store_id   SMALLINT: The store's id number

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Payment:

Payment_id   SERIAL: The payment's id number

Customer_id   SMALLINT: The customer's id number

Staff_id   SMALLINT: The staff's id number

Rental_id   INTEGER: The rental's id number

Amount   NUMERIC(5,2): The amount of money paid

Payment_date   TIMESTAMP(6) WITHOUT TIME ZONE: The day of the transaction

Rental:

Rental_id   SERIAL: The rental's id number

Rental_date   TIMESTAMP(6) WITHOUT TIME ZONE: The day the movie was rented

Inventory-id   INTEGER: The inventory's id number

Customer_id   SMALLINT: The customer's id number

Return_date   TIMESTAMP(6) WITHOUT TIME ZONE: The day the movie was returned

Staff_id   SMALLINT: The staff's id number

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Film_Category:

Film_id   SMALLINT: The film's id number

Category_id   SMALLINT: The category's id number

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Dimension Table:

Actor:

Actor_id   SERIAL: The actor's id number

First_name   CHARACTER VARYING(45): The persons first name

Last_name   CHARACTER VARYING(45): The persons last name

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Film:

Film_id   SERIAL: The film's id number

Title   CHARACTER VARYING(255): The title of the movie

Description   TEXT: A description of what the movie is about

Release_year   year: The year that the movie was released

Language_id   SMALLINT: The language's id number

Rental_duration   SMALLINT: How long was the movie rented out for

Rental_rate   NUMERIC(4,2): How many time does the movie get rented out

Length   SMALLINT: How long is the movie

Replacement_cost   NUMERIC(5,2): If you loose the DVD this is the amount owed to replace it

Rating   mpaa_rating: The rating to determine how old you have to be to see it

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Special_features   TEXT[]: Any special additions the DVD might have, like a blooper reel

Fulltext   TSVECTOR: Even looking at pgAdmin I'm not sure what this one is

Language:

Language_id   SERIAL: The language's id number

Name   CHARACTER(20): The name of the language

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Category:

Category_id   SERIAL: The category's id number

Name   CHARACTER VARYING(25): The name of the movie category

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Customer:

Customer_id   SERIAL: The customer's id number

Store_id   SMALLINT: The store's id number

First_name   CHARACTER VARYING(45): The persons first name

Last_name   CHARACTER VARYING(45): The persons last name

Email   CHARACTER VARYING(50): The persons Email Address

Address_id   SMALLINT: The address' id number

Activebool   BOOLEAN: Some kind of True/False statement IDK

Create_date   DATE: The day the customer was first put into the system

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Active   INTEGER: An indicator if the customer is currently renting a movie

Staff:

Staff_id   SERIAL: The staff's id number

First_name   CHARACTER VARYING(45): The persons first name

Last_name   CHARACTER VARYING(45): The persons last name

Address_id   SMALLINT: The address' id number

Email   CHARACTER VARYING(50): The persons Email Address

Store_id   SMALLINT: The store's id number

Active   BOOLEAN: Is the employee currently employed by the company

Username   CHARACTER VARYING(16): The employee's username

Password   CHARACTER VARYING(40): The employee's password

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Picture   BYTEA: A photo of the employee

Store:

Store_id   SERIAL: The store's id number

Manager_staff_id   SMALLINT: The manager's id number

Address_id   SMALLINT: The address' id number

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Address:

Address_id   SERIAL: The address' id number

Address   CHARACTER VERYING(50): The address to the building

Address2   CHARACTER VERYING(50): A possible alternative address to the building

District   CHARACTER VERYING(20): The name of the city the building is located in

City-id   SMALLINT: The city's id number

Postal_code   CHARACTER VARYING(10): The buildings shipping location

Phone   CHARACTER VARYING(20): The phone number to the building

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

City:

City_id   SERIAL: The city's id number

City   CHARACTER VARYING(50): The name of the city

Country_id   SMALLINT: The country's id number

Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Country:

Country_id   SERIAL: The country's id number

Country   CHARACTER VARYING(50): The name of the Country

 Last_update   TIMESTAMP(6) WITHOUT TIME ZONE: The last time the table was updated

Step 4:

Which actors brought Rockbuster the most revenue?

Tables: Actor, Film_Actor, Film, Payment, Rental, and Inventory

What language are the majority of movies in the collection?

Tables: Inventory, Film, and Language