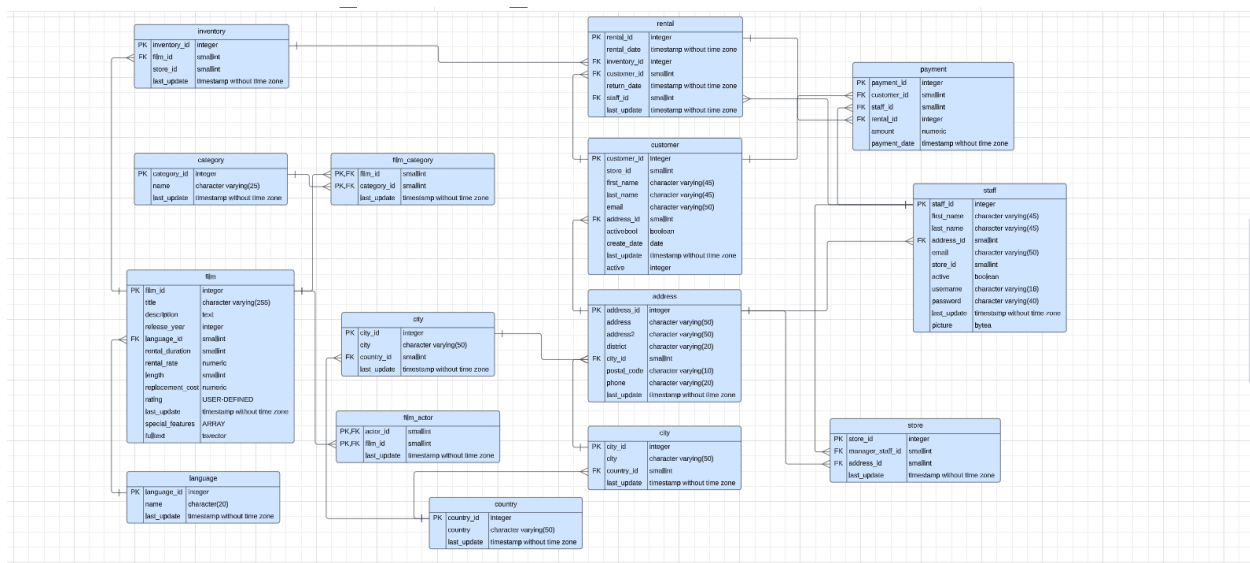Step 2:

Step 3:

Rockbuster data appears to have a snowflake schema because there are multiple sub-dimension graphs.

Name of Table	Column Name	Data Type	Description
Payment	Payment_id	Integer	Unique Payment Identifier
Payment	Customer_id	Small int	Unique Customer Identifier
Payment	Staff_id	Small int	Unique Staff Identifier
Payment	Rental_id	Integer	Unique Rental Identifier
Payment	Amount	Numeric	Amount of Paid
Payment	Payment_date	Timestamp without time zone	Date and Time Record of Payment
Rental	rental_id	Integer	Unique Rental Identifier
Rental	rental_date	Timestamp without time zone	Date and Time of Rental
Rental	inventory_id	Integer	Unique Inventory Identifier
Rental	customer_id	Small int	Unique Customer Identifer
Rental	return _date	Timestamp without time zone	Date and Time of Rental

Rental	staff_id	Small int	Unique Staff identifier
Rental	last_update	Timestamp without time zone	Date and Time of Last Rental Record Update

Dimension Tables

Name of Table	Column Name	Data Type	Description
Film_actor	Actor_id	Small int	Unique Actor Identifier
Film_actor	Film_id	Small int	Unique Film Identifier
Film_actor	Last_update	Timestamp without time zone	Date and Time of Last Update
Inventory	Inventory_id	Serial	Unique Inventory Identifier
Inventory	Film_id	Small int	Unique Film Identifier
Inventory	Store_id	Small int	Unique Store Identifier
Inventory	Last_update	Timestamp without time zone	Date and Time of Last Update
Film_category	Film_id	Small int	Unique Film Identifier
Film_category	Category_id	Small int	Unique Category Identifier
Film_category	Last_update	Timestamp without time zone	Date and Time of Last Update
Customer	Customer_id	Small int	Unique Customer Identifier
Customer	Store_id	Small int	Unique Store Identifier
Customer	First_name	Character varying (45)	Customer First Name
Customer	Last_name	Character varying (45)	Customer Last Name
Customer	Email	Character varying (50)	Customer Email
Customer	Address_id	Small int	Unique Address Identifier
Customer	Activebool	Boolean	Active Status of Customer
Customer	Create_date	Date	Date of Customer Profile Creation

Customer	Last_update	Timestamp without time zone	Date and Time of Last Update
Customer	Active	Integer	Active Status Represented by 0 or 1
Staff	Staff_id	Serial	Unique Staff Identifier
Staff	First_name	Character Varying(45)	First Name of Staff Member
Staff	Last_name	Character Varying(45)	Last Name of Staff Member
Staff	Address_id	Small int	Unique Address identifier
Staff	Email	Character varying (50)	Staff Member Email Address
Staff	Store_id	Small int	Unique Store identifier
Staff	Active	Boolean	Active Status of Staff
Staff	Username	Character Varying(16)	Staff Member Username
Staff	Password	Character Varying(40)	Staff Member Password
Staff	Last_update	Timestamp without time zone	Date and Time of Last Update
Staff	Picture	Bytea	Staff Member Picture
Actor	Actor_id	Serial	Unique Actor Identifier
Actor	First_name	Character Varying(45)	Actor First Name
Actor	Last_name	Character Varying(45)	Actor Last Name
Actor	Last_update	Timestamp without time zone	Date and Time of Last Update
Film	Film_id	Serial	Unique Film Identifier
Film	Title	Character Varying(255)	Film Title
Film	Description	Text	Film Description
Film	Release_year	Year	Film Release Year
Film	Language_id	Small int	Film Language
Film	Rental_duration	Small int	Rental Duration
Film	Rental_rate	Numeric(4,2)	Rate of Rental
Film	Length	Small int	Film Length
Film	Replacement_cost	Numeric(5,2)	Film Replacement Cost
Film	Rating	Mpaa_rating	Film Rating

Film	Last_update	Timestamp without time zone	Date and Time of Last Update
Film	Special_features	Text	Film Special Features
Film	Fulltext	Tsvector	Film Index; Used for Searching
Category	Category_id	Serial	Unique Category Identifier
Category	Name	Character Varying(25)	Category Name
Category	Last_update	Timestamp without time zone	Date and Time of Last Update
Address	Address_id	Serial	Unique Address Identifier
Address	Address	Character Varying(50)	Address First Line
Address	Address2	Character Varying(50)	Address Second Line
Address	District	Character Varying(20)	Address District
Address	City_id	Small int	Unique City Identifier
Address	Postal_code	Character Varying(10)	Address Postal Code
Address	Phone	Character Varying(20)	Address Phone Number
Address	Last_update	Timestamp without time zone	Date and Time of Last Update
Language	Language_id	Serial	Unique Language Identifier
Language	Name	Character Varying(20)	Language Name
Language	Last_update	Timestamp without time zone	Date and Time of Last Update
City	City_id	Serial	Unique City identifier
City	City	Character Varying(50)	City Name
City	Country_id	Small int	Unique Country Identifier
City	Last_update	Timestamp without time zone	Date and Time of Last Update
Country	Country_id	Serial	Unique Country Identifier
Country	Country	Character Varying(50)	Country Name
Country	Last_update	Timestamp without time zone	Date and Time of Last Update

Step 4: Tables to look at for:

1. Which actors brought Rockbuster the most revenue?
   a. Actor

      b. Film_actor

      c. Inventory

      d. Payment

      e. Rental

2. What languages are the majority of movies in the collection?

      a. Film

      b. Inventory

      c. Language