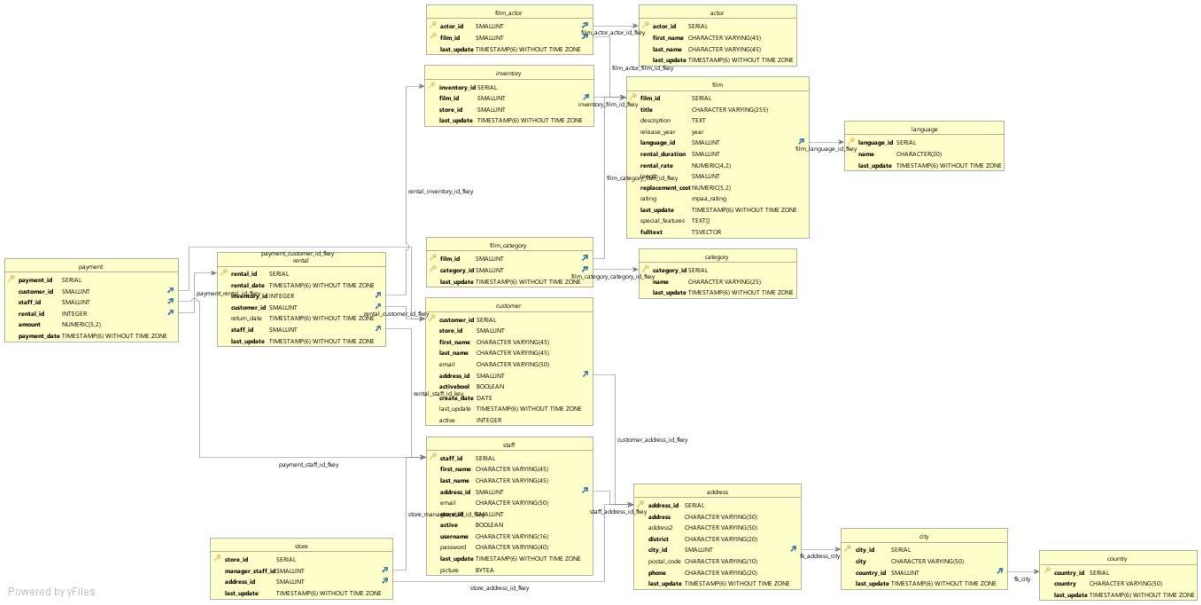
Answers 3.2



I believe this is a snow flake schema because it can start with store information, payment information, film actor or film category to get to multiple different collections of information

Film actor = Fact Table

Actor = Fact Table

Inventory = Dimension Table

Film = Fact Table

Language = Fact Table

Payment = Dimension Table

Payment customer id key rental = Dimension Table

Film category = Fact Table

Category = Fact Table

Customer = Fact Table

Staff = Fact Table

Address = Fact Table

Store = Fact Table

City = Fact Table

County = Fact Table

category		
	Data Type	Description
category_id	Integer	Number for genre
name	Character varying	Name of gentre
last_update	Timestamp without time zone	date of most recent update
Address		
address_id	integer	Number for address
address	Character varying (50)	house number
address2	Character varying (50)	Street address
district	Character varying (20)	District
city_id	smallint	number of city
postal_code	Character varying (10)	post code
phone	Character varying (20)	Phone number
last_update	Timestamp without time zone	date of most recent update
Inventory		
inventory_id	integer	item number
film_id	smallint	film number
store_id	smallint	store number
last_update	Timestamp without time zone	date of most recent update
Customer		
customer_id	integer	customer number
store_id	smallint	store number
first_name	Character varying (45)	Customers first name
last_name	Character varying (45)	Customers last name
email	Character varying (50)	customer email address
address_id	smallint	number assigned to customer address
activebool	boolean	How active a customer is
create_date	Date	Date record was created
last_update	Timestamp without time zone	date of most recent update
active	integer	Is the customer currently active
Store		
store_id	integer	store number
manager_staff_id	smallint	manager staff number
address_id	smallint	address number

last_update	Timestamp without time zone	date of most recent update
Actor		
actor_id	integer	Actor number
first_name	Character varying (45)	First name of actor
last_name	Character varying (45)	last name of actor
last_update	Timestamp without time zone	date of most recent update
Film actor		
actor_id	smallint	Actor number
film_id	smallint	Film number
last_update	Timestamp without time zone	date of most recent update
Staff		
staff_id	integer	employee number
first_name	Character varying (45)	First name of staff
last_name	Character varying (45)	last name of staff
address_id	smallint	address number
email	Character varying (50)	employees emal address
store_id	smallint	store number
active	boolean	is employee active
username	Character varying (16)	employee user name
password	Character varying (40)	employee password
last_update	Timestamp without time zone	date of most recent update
picture	bytea	Employees picture
Payment		
payment_id	integer	account number
customer_id	smallint	customer number
staff_id	smallint	employee number
rental_id	integer	rental number
amount	numeric(5,2)	price
payment_date	Timestamp without time zone	date of most recent update
Film Category		
film_id	smallint	film number
category_id	smallint	genre number
last_update	Timestamp without time zone	date of most recent update
Rental		

rental_id	integer	rental number
rental_date	Timestamp without time zone	date of most recent rental
inventory_id	integer	part number
customer_id	integer	customer number
return_date	Timestamp without time zone	return date
staff_id	integer	employee number
last_update	Timestamp without time zone	date of most recent update
City		
city_id	integer	City code
city	Character varying (50)	Name of city
country_id	smallint	country number
last_update	Timestamp without time zone	date of most recent update
Language		
language_id	integer	language number
name	Character (20)	Language name
last_update	Timestamp without time zone	date of most recent update
Country		
country_id	integer	country number
country	Character varying (50)	Name of country
last_update	Timestamp without time zone	date of most recent update

Step 4. Find information

- Which actors brought Rockbuster the most revenue?

For this I would need a list of actor's names.

Then I would need a list of films those actors were in

Then I would need the list of film information for total rental days and the daily rental cost

- What language are the majority of movies in the collection?

For this I would need a list of languages

Then I would need a list of films