Step 2:

A computer screen shot of a computer screen

Description automatically generated with medium confidence

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?
   1. Actor
   2. Film\_actor
   3. Inventory
   4. Payment
   5. Rental
2. What languages are the majority of movies in the collection?
   1. Film
   2. Inventory
   3. Language