

Career Foundry

Data Analytics Immersion

A3.E1

Kendra Jackson

2. In order to find the count of actors with the first name “Ed”, I filtered the actor column to only have listings with Ed. I then manually counted as there were few results

Excel Result: 3

SQL Result: 3

In regards to finding the number of “Eds” I think both programs were relatively equal. That being said, there were only few results, if there were numbers in the thousands, or many variations of the name Ed we had to sort through, the SQL query would without a doubt with for ease of use and speed. Excel would require far more actions.

3.

Payment Columns: **Payment_id, customer_id, staff_id, rental_id, amount, and payment_date**

Table_Name Column: **actor, store, address, category, city, country, customer, film_actor, film_category, inventory, language, rental, staff, payment, film**

Alternate method: Look below the Object Explorer title, expand the database, expand schemas under the appropriate database (Rockbuster), expand table and all 15 names appear.

Most films are rented for 6 days (212 films)

4.

OLAP

1. Customer Service department: interested in reviews
2. Marketing/Sales department: interested in current market trends and sales trends/numbers

OLTP

1. Inventory Department: record movies rented, in stock, and returned, update records in system
2. Loyalty Program Department: Record individuals signing up for rewards, update personal information such as addresses, rentals

5.

Structured Data. The invoice contains predefined data that is categorized into variables such as invoice number, item number, quantity, description, price, etc

Merchant Information					
Merchant Name	Account Name	Account Number	Address	City	State
Oaklanders Sound Studio	Mike Santo	4929 3310 0057 5422	4826 Norma Avenue	Anderson	Texas

Customer Information					
Title	First Name	Last Name	Address	City	State
Mr.	Timothy	Walker	40 Sheila LA	Sparks	Nevada

Sales Data					
Invoice Number	Item	Quantity	Description	Currency	Price
2019001	001	01	New Video Collection Licensing	\$	730