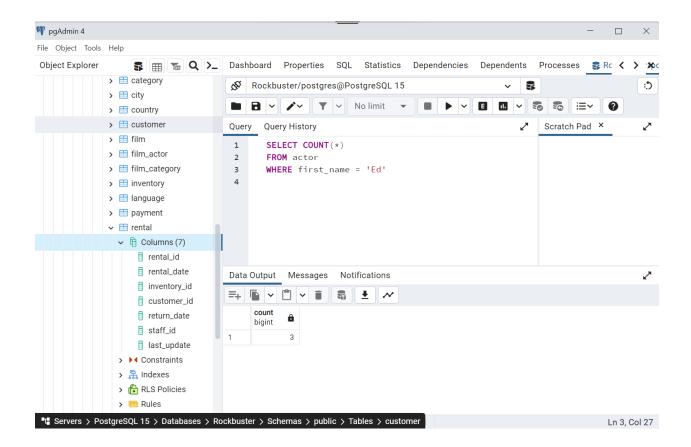
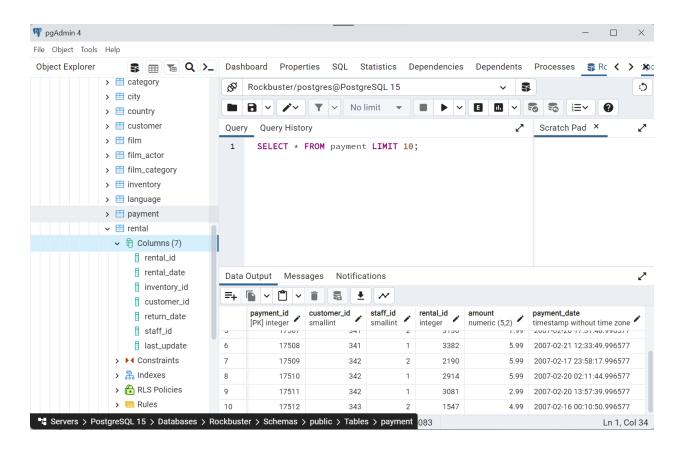
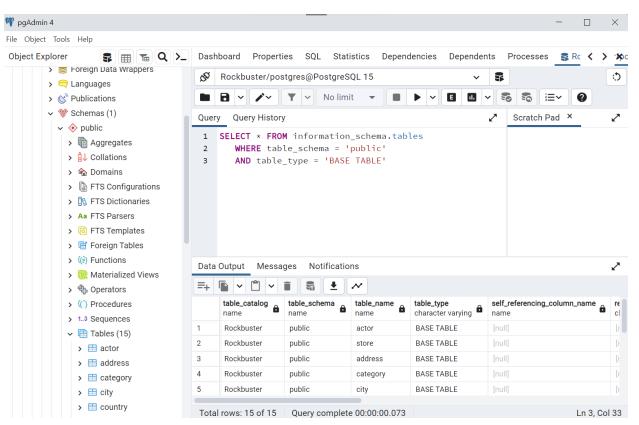
- .1 Intro to Relational Databases by Rich Bradley
- 1. PostgreSQL installed and Achievement 3 project brief downloaded.
- 2. Download Rockbuster "actor.csv" file.
- a. In Excel I used the countif function and the formula is =COUNTIF(B2:B201,"Ed") the answer was 3.
- b. Launch pgAdmin4, copy and paste the data output.



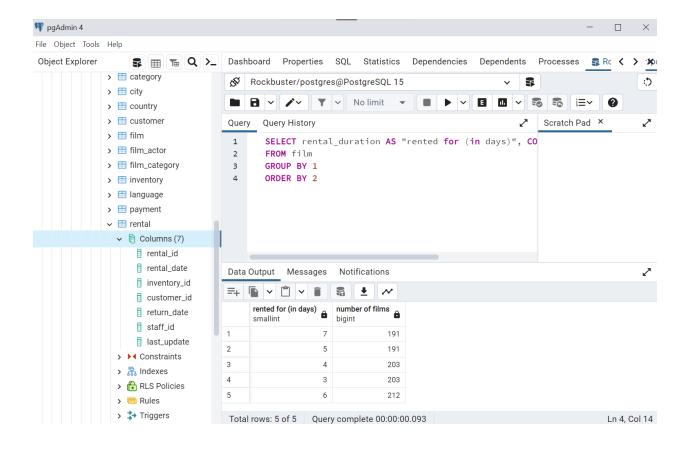
To answer the next set of questions, past the queries provided into the Query Editor in pgAdmin 4. Note down your answers in your running text document





Another way to list all the table names instead of the statement above is to click on the Schemas, then Tables and open the list of table names. See screenshot.





Think about who in Rockbuster Stealth might want to use an OLAP or OLTP system for their data needs; for example, the sales department, which is interested in sales trends, would likely use an OLAP system. Describe at least 2 situations for each type of system.

- a. OLAP
- i. For handling lots of data READ operations
- ii. Analytical and data mining system
- iii. Used for answering questions like how many units were sold and how many items were left in stock.
- b. OLTP
- i. For handling lots of data insertion deletion and updating.
- ii. Transactional
- iii. Used for recording and updating interactions like storing new customer order details or updating order shipment status.

Rockbuster Stealth received an invoice for the licenses for its new video collection.

- a. Does the invoice contain structured or unstructured data? Write an explanation for your answer.
- i. The invoice contains structured data. All the information on this invoice can be organized in tables of rows and columns, easy to manipulate, retrieve relevant information. It is basically can be part of a contact list.
- b. Organize and store the information on the invoice in a database, create a table.

Customer

_Name

Bus Name Street_Address City State Invoice # Item Qty Descript Price Acct #

Customer	Bus Name	Street_Address	City	state	invoice	item	qty
_Name							
Miko	Oaklanders	4826 Norma	Anderson	TX	2019001	001	01
Santo	Sound	Avenue					
	Studio						

descript	price	Acct
New Video	\$730.00	4929 3310
Collection		0057 5422
Licensing		