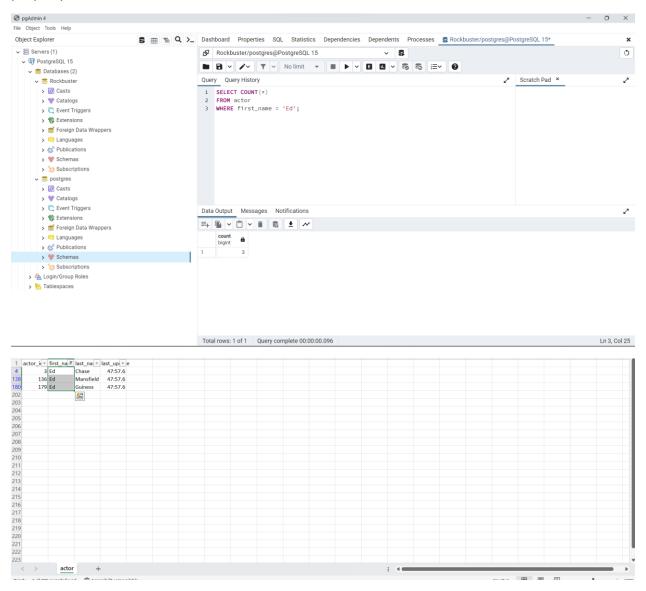
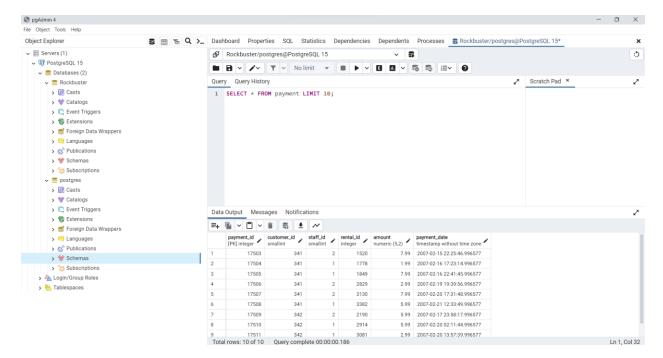
2.a there are three actors with the first name Ed. The answer is the same for SQL and Excel. I found it easier to use SQL because the process was faster once the program functioned properly.

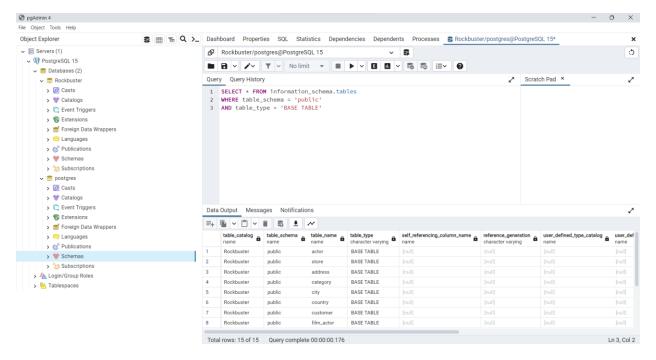


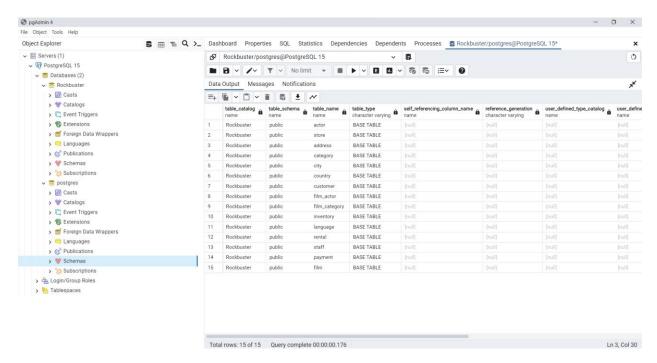
3.a payment_id, customer_id, staff_id, rental_id, amount, payment_date.



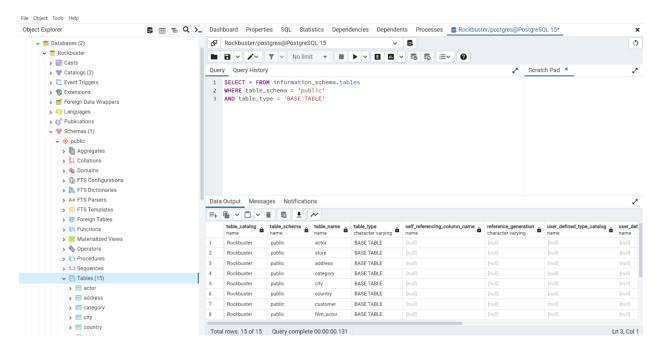
3.b table name options:

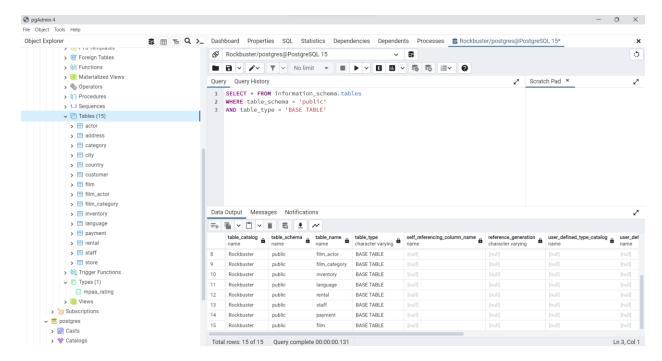
Actor, store, address, category, city, country, customer, film_actor, film_category, inventory, language, rental, staff, payment, film.



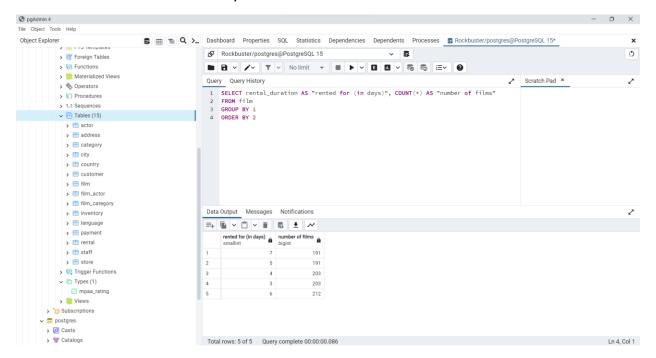


3.c another way to list all of the names of tables it to go to Object Explorer-> Databases-> Rockbuster-> Schemas-> Tables





3.d most films are rented for 6 days.



4.a OLAP: Suitable for handling lots of data READ operations; Analytical and Data Mining System; Use case: ecommerce site, answering business questions like how many units were sold last month or how many items are left in stock

OLTP: Suitable for handling lots of data insertion, deletion, and update requests; Transactional System; Use case: ecommerce site recording and updating interactions like storing new customer order details or updating order shipment status.

5.a the data in the provided invoice is structured because it can be easily organized into respective columns (i.e., Item Number, Quantity, Description, Price, Customer Name, Invoice, and Address)

5.b Invoice Data

Invoice_	First_Nam	Last_Nam	Customer_Addres	Item_	QT	Descriptio	Price
#	е	е	S	#	Υ	n	
2019001	Timothy	Walker	40 Sheila La	001	01	New Video	\$73
			Sparks, NV			Collection	0
						Licensing	

Payment Information

Invoice_#	Organization	Org_Address	Account_Name	Account_#
2019001	Oaklanders	4826 Norma	Mike Santo	4929331999575422
	Sound Studio	Avenue		
		Anderson, TX		