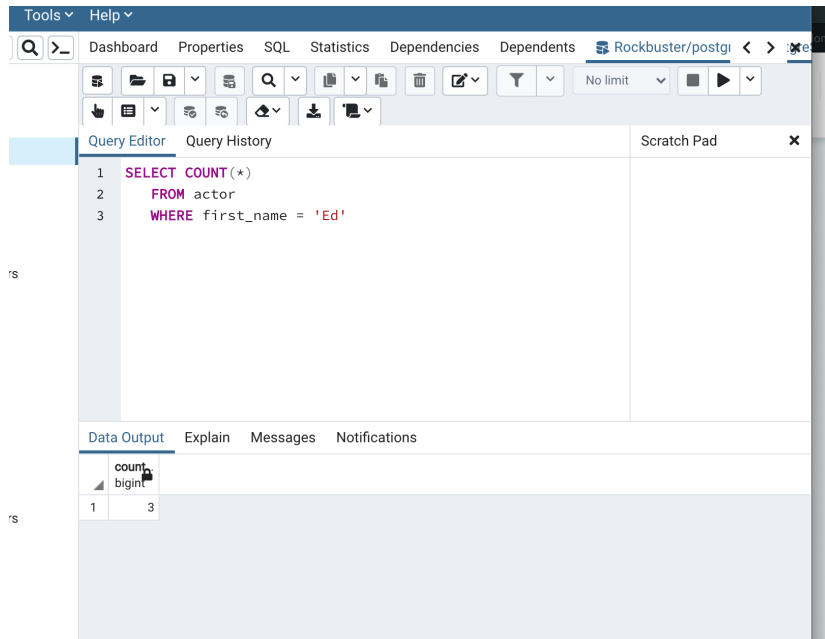


3.1

Step 2:

1. There is 3 people named Ed
- 2.



3. It was easier to find how many Ed's via excel because it was just a formula and you click what you need to figure it out. This was a little confusing but that's also because i'm not familiar with SQL.

Step Three:

- 1.

```
1   SELECT * FROM payment LIMIT 10;
```

	payment_id [PK] integer	customer_id smallint	staff_id smallint	rental_id integer	amount numeric (5,2)	payment_date timestamp without time zone
1	17503	341	2	1520	7.99	2007-02-15 22:25:46.996577
2	17504	341	1	1778	1.99	2007-02-16 17:23:14.996577
3	17505	341	1	1849	7.99	2007-02-16 22:41:45.996577
4	17506	341	2	2829	2.99	2007-02-19 19:39:56.996577
5	17507	341	2	3130	7.99	2007-02-20 17:31:48.996577
6	17508	341	1	3382	5.99	2007-02-21 12:33:49.996577
7	17509	342	2	2190	5.99	2007-02-17 23:58:17.996577
8	17510	342	1	2914	5.99	2007-02-20 02:11:44.996577
9	17511	342	1	2822	6.99	2007-02-20 16:57:00.996577

Music

2.

story

```
information_schema.table  
_schema = 'public'  
type = 'BASE TABLE'
```

Messages Notifications

schema name	table_name name	table_type character
c	actor	BASE TA
c	store	BASE TA
c	address	BASE TA
c	category	BASE TA
c	city	BASE TA
c	country	BASE TA
c	customer	BASE TA
c	film_actor	BASE TA
c	film_category	BASE TA
c	inventory	BASE TA
c	language	BASE TA
c	rental	BASE TA
c	staff	BASE TA
c	payment	BASE TA
c	film	BASE TA

3. You can go to the Schemas and find it in the tables
- 4.

	Data Output	Explain	Messages	Notifications
	rented for (in days) smallint	number of films bigint		
1	7	191		
2	5	191		
3	4	203		
4	3	203		
5	6	212		

5. OLAP:

Data Analytics department - If a company wants to look at their sales over the past few years to see where and what is selling.

Marketing department - to see what marketing tactics have worked in the past

OLTP:

Financial/accounting department - updating the expenses and records of inventory

Customer service - updating clients records

6. This invoice contains structured data with the table and information on quantity, item, description, etc. The other parts of it are unstructured with where to make the payment to and the address and the title.

7.

Item	Quantity	Description	Price
001	01	New Video Collection Licensing	730

