

1)

Query Editor

Query History

1

EXPLAIN

2

SELECT *

3

FROM film;

Data Output

Messages

Explain

Notifications

▲

QUERY PLAN

text

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Seq Scan on film (cost=0.00..64.00 rows=1000 width=384)

Query Editor
Query History

```

1  EXPLAIN
2  SELECT
3    film_id,
4    title
5  FROM film;

```

Data Output
Messages
Explain
Notifications

	QUERY PLAN	
	text	
1	Seq Scan on film (cost=0.00..64.00 rows=1000 width=19)	

Both queries cost 0 and have a score of 64. If this was a larger database you would see more benefits of a refined query but overall the more specific query you can run the better.

Query Editor Query History

```

1  SELECT
2  title,
3  release_year,
4  rental_rate
5  FROM film
6  ORDER BY title, release_year, rental_rate DESC;

```

Data Output Messages Explain Notifications

	title character varying (255)	release_year integer	rental_rate numeric (4,2)	
1	Academy Dinosaur	2006	0.99	
2	Ace Goldfinger	2006	4.99	
3	Adaptation Holes	2006	2.99	
4	Affair Prejudice	2006	2.99	
5	African Egg	2006	2.99	
6	Agent Truman	2006	2.99	
7	Airplane Sierra	2006	4.99	
8	Airport Pollock	2006	4.99	
9	Alabama Devil	2006	2.99	
10	Aladdin Calendar	2006	4.99	
11	Alamo Videotape	2006	0.99	
12	Alaska Phantom	2006	0.99	
13	Ali Forever	2006	4.99	
14	Alice Fantasia	2006	0.99	
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2)

- 3) <https://docs.google.com/spreadsheets/d/1Zyz1NMTKhAKHwjxLZP3HZOKVu2xu1AgEtw2rgHY3ul/edit#gid=1450602450>

Query Editor		Query History	
1	SELECT		
2	AVG (rental_rate) AS "Average rental rate",		
3	rating AS "Rating"		
4	FROM film		
5	GROUP BY rating		
6	ORDER BY rating;		

Data Output		Messages	Explain	Notifications
	Average rental rate numeric	Rating mpaa_rating		
1	2.888876404494382	G		
2	3.0518556701030928	PG		
3	3.034843049327354	PG-13		
4	2.9387179487179487	R		
5	2.970952380952381	NC-17		

- 4) https://docs.google.com/spreadsheets/d/1qJ2X4NWq4QiK4uN_dSpDoc3iuEHyeLI0iw3EQ922KtI/edit#gid=1901467665

There is a process for migrating data and its called ETL. ETL means to extract, transform and load. Data engineers would source the data, then transform it into a compatible format and do any aggregations necessary and then load it into a database.

The problems I foresee if you start analyzing the data before it's loaded into a data warehouse is that it has not been properly transformed or cleaned so you are at higher risk of working with incorrect data. There is also a very high chance that you'd also be working with raw data which means it is dirty so there will be a huge margin of error with data results.