

Assignment 2: DVD Rental Queries

DVD-Rental Assignment 2:

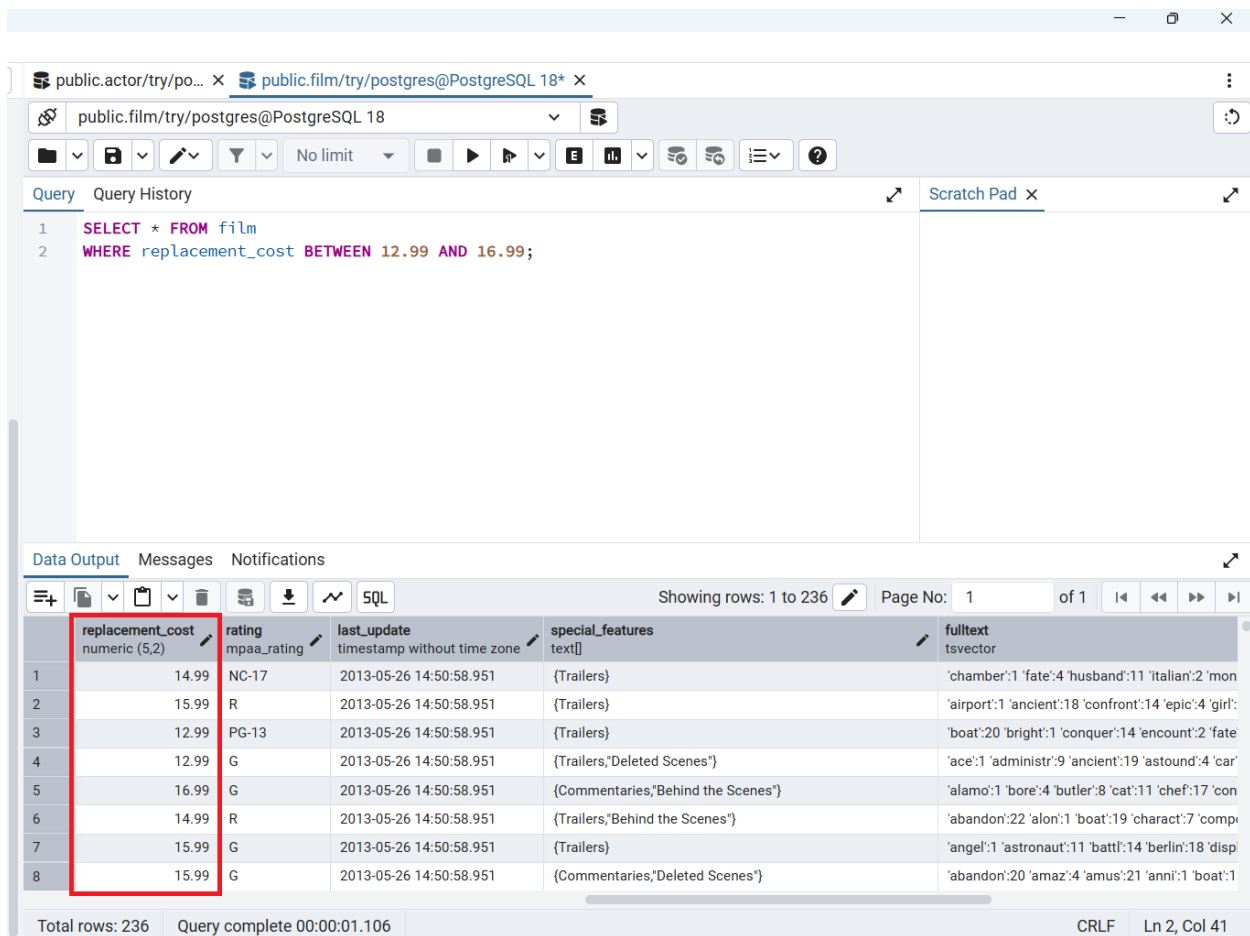
This assignment includes basic PostgreSQL queries on the DVD Rental database.

The queries demonstrate how to retrieve information from the film and actor tables, applying different conditions and filters such as BETWEEN ... AND and IN.

Screenshots of the query results are included below each query.

Query 1:

Description: Retrieve all columns from the film table where replacement_cost is greater than or equal to 12.99 and less than 16.99 using BETWEEN ... AND.



The screenshot shows a PostgreSQL query editor interface. The query entered is:

```
1 SELECT * FROM film
2 WHERE replacement_cost BETWEEN 12.99 AND 16.99;
```

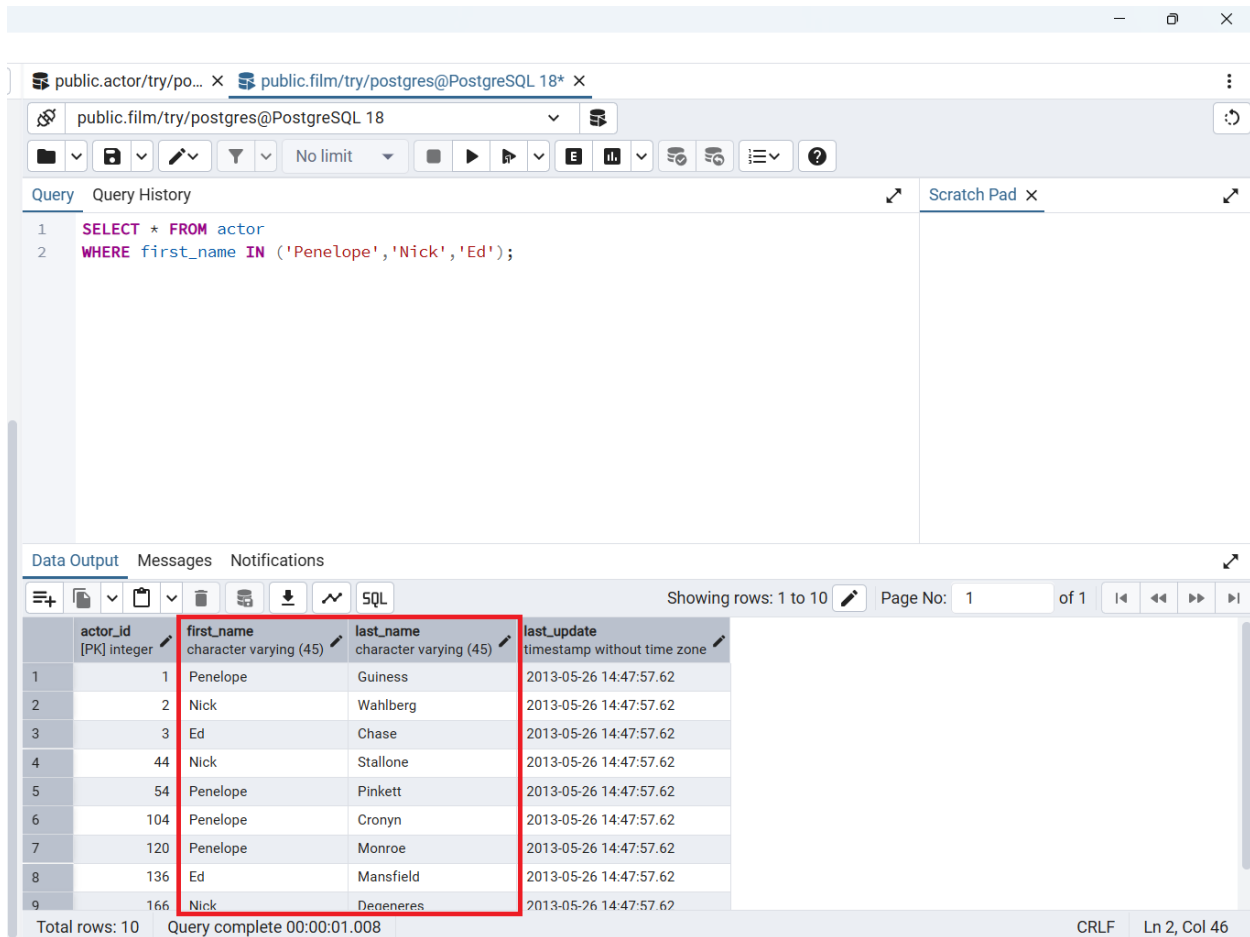
The results are displayed in a table with the following columns: replacement_cost (numeric (5,2)), rating (mpaa_rating), last_update (timestamp without time zone), special_features (text[]), and fulltext (tsvector). The table shows 8 rows of data, with the first 8 rows highlighted in a red box.

	replacement_cost numeric (5,2)	rating mpaa_rating	last_update timestamp without time zone	special_features text[]	fulltext tsvector
1	14.99	NC-17	2013-05-26 14:50:58.951	{Trailers}	'chamber':1 'fate':4 'husband':11 'italian':2 'mon
2	15.99	R	2013-05-26 14:50:58.951	{Trailers}	'airport':1 'ancient':18 'confront':14 'epic':4 'girl':
3	12.99	PG-13	2013-05-26 14:50:58.951	{Trailers}	'boat':20 'bright':1 'conquer':14 'encount':2 'fate
4	12.99	G	2013-05-26 14:50:58.951	{Trailers,'Deleted Scenes'}	'ace':1 'administr':9 'ancient':19 'astound':4 'car'
5	16.99	G	2013-05-26 14:50:58.951	{Commentaries,'Behind the Scenes'}	'alamo':1 'bore':4 'butler':8 'cat':11 'chef':17 'con
6	14.99	R	2013-05-26 14:50:58.951	{Trailers,'Behind the Scenes'}	'abandon':22 'alon':1 'boat':19 'charact':7 'comp
7	15.99	G	2013-05-26 14:50:58.951	{Trailers}	'angel':1 'astronaut':11 'battl':14 'berlin':18 'disp
8	15.99	G	2013-05-26 14:50:58.951	{Commentaries,'Deleted Scenes'}	'abandon':20 'amaz':4 'amus':21 'anni':1 'boat':1

Total rows: 236 Query complete 00:00:01.106 CRLF Ln 2, Col 41

Query 2:

Description: Retrieve first_name and last_name from the actor table where first_name is 'Penelope', 'Nick', or 'Ed' using the IN operator.



The screenshot shows a PostgreSQL query editor interface. The query editor at the top contains the following SQL query:

```
1 SELECT * FROM actor
2 WHERE first_name IN ('Penelope', 'Nick', 'Ed');
```

Below the query editor, the "Data Output" tab is active, displaying the results of the query. The results are shown in a table with the following columns: actor_id, first_name, last_name, and last_update. The table contains 10 rows of data, with the first 9 rows visible. The first 9 rows are highlighted with a red border.

	actor_id [PK] integer	first_name character varying (45)	last_name character varying (45)	last_update timestamp without time zone
1	1	Penelope	Guinness	2013-05-26 14:47:57.62
2	2	Nick	Wahlberg	2013-05-26 14:47:57.62
3	3	Ed	Chase	2013-05-26 14:47:57.62
4	44	Nick	Stallone	2013-05-26 14:47:57.62
5	54	Penelope	Pinkett	2013-05-26 14:47:57.62
6	104	Penelope	Cronyn	2013-05-26 14:47:57.62
7	120	Penelope	Monroe	2013-05-26 14:47:57.62
8	136	Ed	Mansfield	2013-05-26 14:47:57.62
9	166	Nick	Degeneres	2013-05-26 14:47:57.62

At the bottom of the interface, the status bar shows "Total rows: 10", "Query complete 00:00:01.008", and "CRLF Ln 2, Col 46".

Query 3:

Description: Retrieve all columns from film table where rental_rate is 0.99, 2.99, or 4.99 and replacement_cost is 12.99, 15.99, or 28.99 using the IN operator.

The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
1 SELECT * FROM film
2 WHERE rental_rate IN (0.99,2.99,4.99) AND replacement_cost IN (12.99,15.99,28.99);
```

The results are displayed in a table with the following columns: rental_rate, length, replacement_cost, rating, last_update, special_features, and fulltext. The table shows 8 rows of data.

	rental_rate numeric (4,2)	length smallint	replacement_cost numeric (5,2)	rating mpaa_rating	last_update timestamp without time zone	special_features text[]	fulltext tsvector
1	4.99	54	15.99	R	2013-05-26 14:50:58.951	{Trailers}	'airport':1 'anci
2	4.99	73	12.99	PG-13	2013-05-26 14:50:58.951	{Trailers}	'boat':20 'brigh
3	4.99	48	12.99	G	2013-05-26 14:50:58.951	{Trailers,"Deleted Scenes"}	'ace':1 'adminis
4	4.99	62	28.99	PG-13	2013-05-26 14:50:58.951	{Trailers,"Deleted Scenes"}	'airplan':1 'boat
5	2.99	74	15.99	G	2013-05-26 14:50:58.951	{Trailers}	'angel':1 'astroi
6	0.99	86	15.99	G	2013-05-26 14:50:58.951	{Commentaries,"Deleted Scenes"}	'abandon':20 'a
7	0.99	179	12.99	NC-17	2013-05-26 14:50:58.951	{,"Deleted Scenes","Behind the Scenes"}	'administr':9,1f
8	2.99	153	15.99	PG-13	2013-05-26 14:50:58.951	{Trailers,Commentaries,"Deleted Scenes","Behind the Scen...	'abandon':22 'a

Total rows: 133 Query complete 00:00:00.342 CRLF Ln 2, Col 63