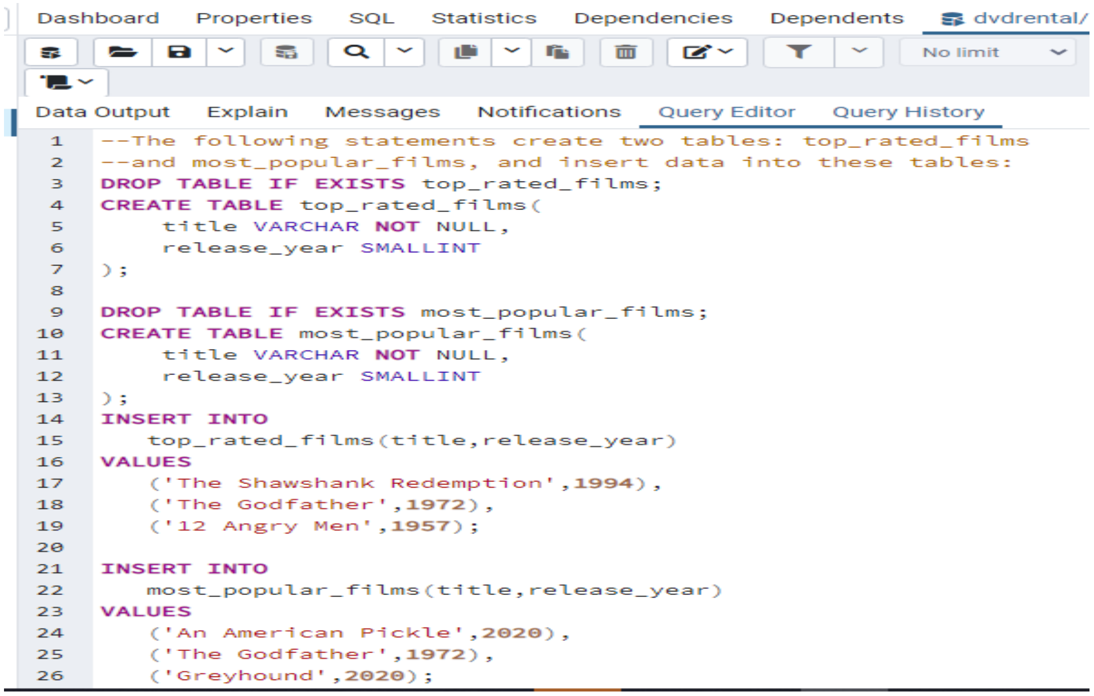
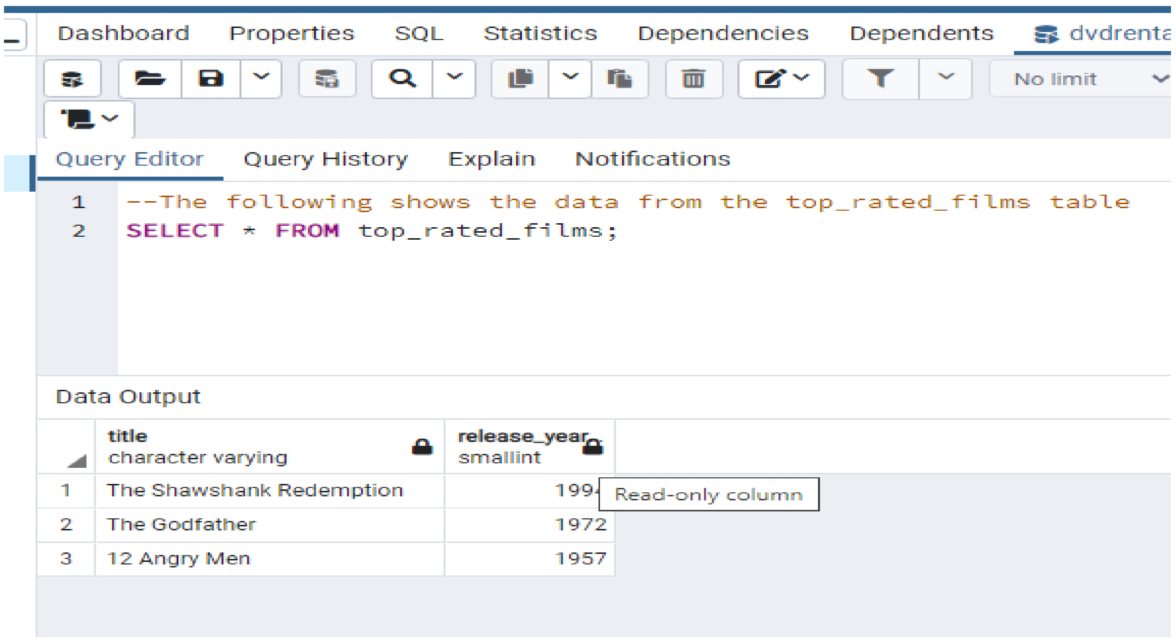
PostgreSQL Union

Setting up sample tables



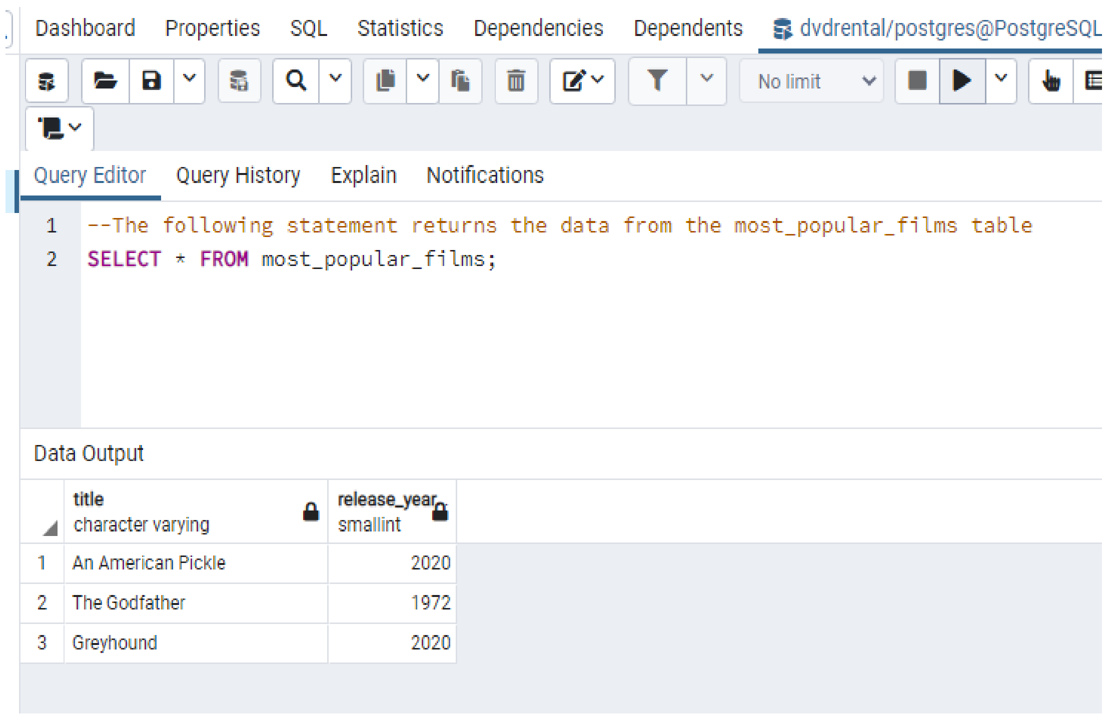
```sql
--The following statements create two tables: top_rated_films
--and most_popular_films, and insert data into these tables:
DROP TABLE IF EXISTS top_rated_films;
CREATE TABLE top_rated_films(
    title VARCHAR NOT NULL,
    release_year SMALLINT
);

DROP TABLE IF EXISTS most_popular_films;
CREATE TABLE most_popular_films(
    title VARCHAR NOT NULL,
    release_year SMALLINT
);
INSERT INTO
   top_rated_films(title,release_year)
VALUES
   ('The Shawshank Redemption',1994),
   ('The Godfather',1972),
   ('12 Angry Men',1957);

INSERT INTO
   most_popular_films(title,release_year)
VALUES
   ('An American Pickle',2020),
   ('The Godfather',1972),
   ('Greyhound',2020);
```



```sql
--The following shows the data from the top_rated_films table
SELECT * FROM top_rated_films;
```

Data Output

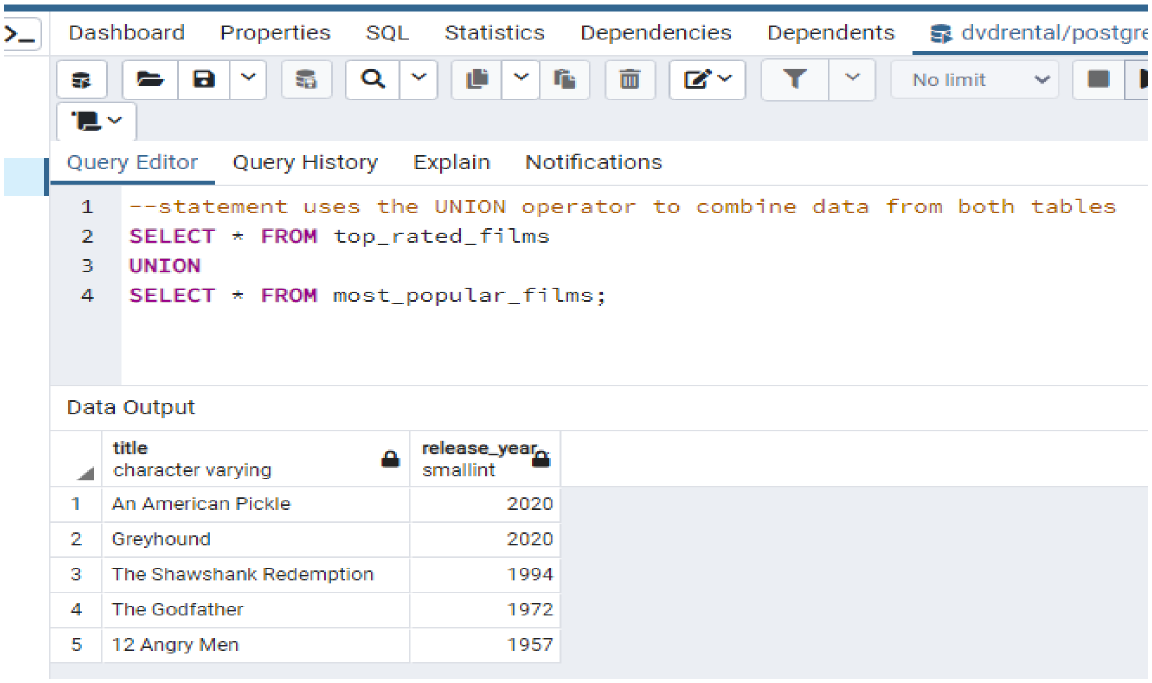
	title character varying	release_year smallint
1	The Shawshank Redemption	1994
2	The Godfather	1972
3	12 Angry Men	1957



```
--The following statement returns the data from the most_popular_films table
SELECT * FROM most_popular_films;
```

	title character varying	release_year smallint
1	An American Pickle	2020
2	The Godfather	1972
3	Greyhound	2020

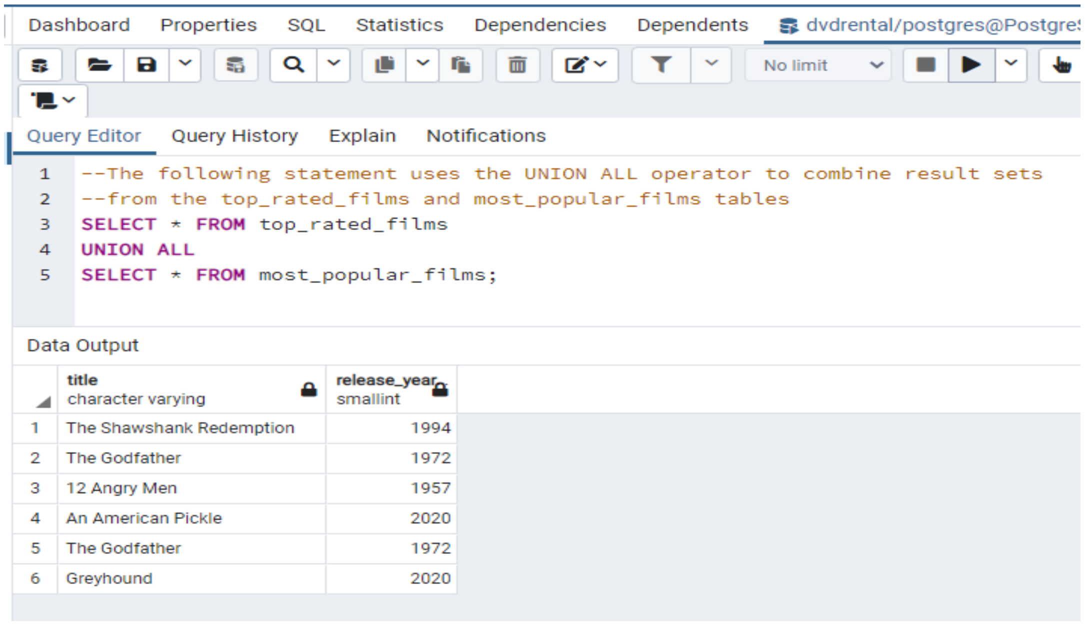
Simple PostgreSQL UNION example



```
--statement uses the UNION operator to combine data from both tables
SELECT * FROM top_rated_films
UNION
SELECT * FROM most_popular_films;
```

	title character varying	release_year smallint
1	An American Pickle	2020
2	Greyhound	2020
3	The Shawshank Redemption	1994
4	The Godfather	1972
5	12 Angry Men	1957

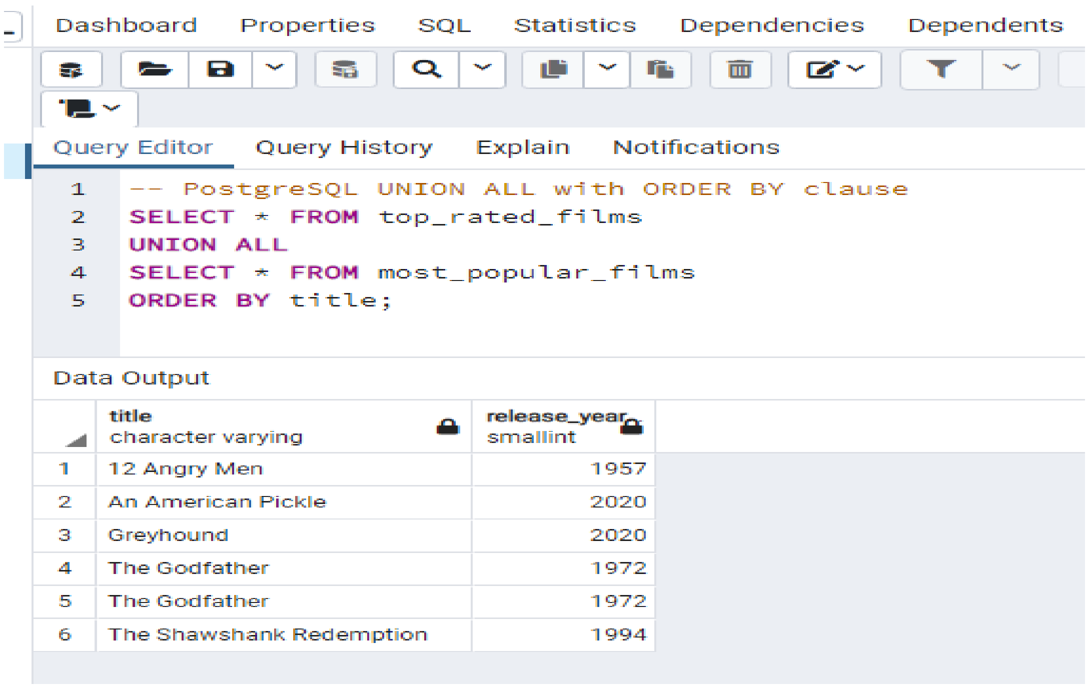
PostgreSQL UNION ALL



```sql
--The following statement uses the UNION ALL operator to combine result sets
--from the top_rated_films and most_popular_films tables
SELECT * FROM top_rated_films
UNION ALL
SELECT * FROM most_popular_films;
```

	title character varying	release_year smallint
1	The Shawshank Redemption	1994
2	The Godfather	1972
3	12 Angry Men	1957
4	An American Pickle	2020
5	The Godfather	1972
6	Greyhound	2020

PostgreSQL UNION ALL with ORDER BY clause



```sql
-- PostgreSQL UNION ALL with ORDER BY clause
SELECT * FROM top_rated_films
UNION ALL
SELECT * FROM most_popular_films
ORDER BY title;
```

	title character varying	release_year smallint
1	12 Angry Men	1957
2	An American Pickle	2020
3	Greyhound	2020
4	The Godfather	1972
5	The Godfather	1972
6	The Shawshank Redemption	1994