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A Report on ‘Lab Work 4’ [COMP 232]

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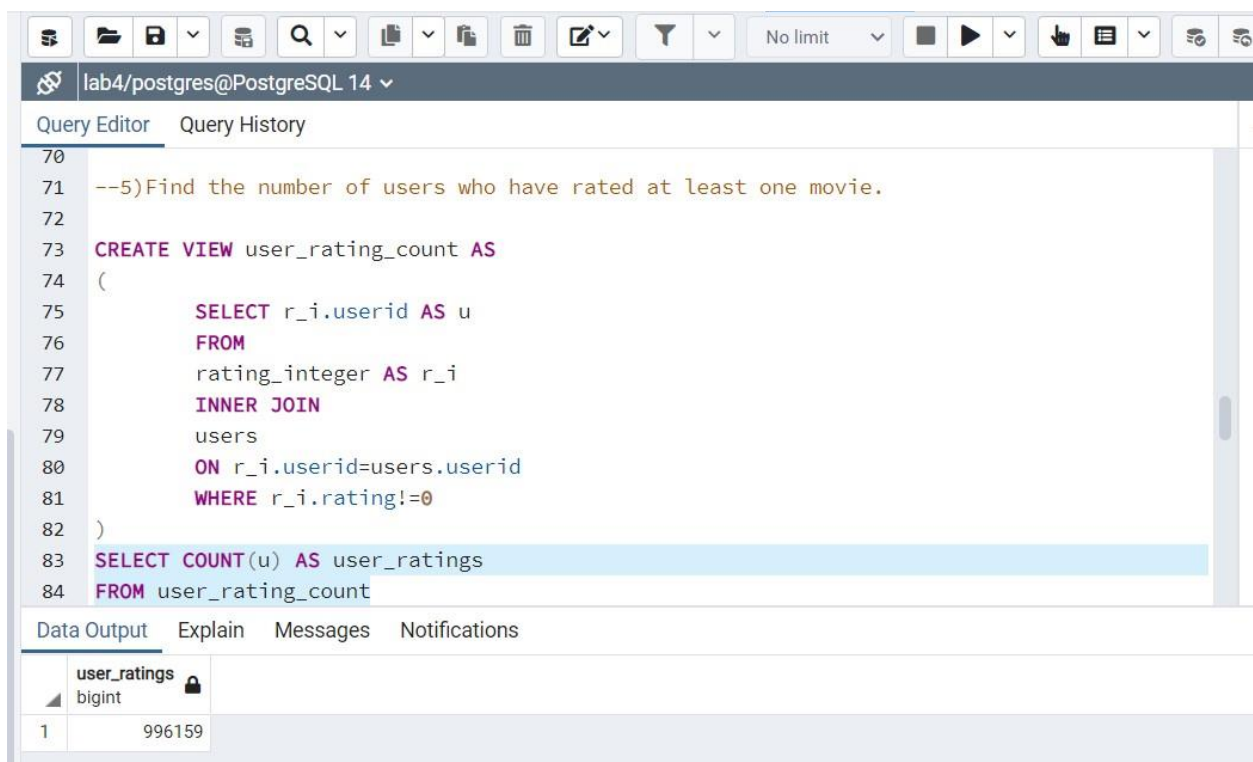
Submission Date: April 03 , 2022

LAB-4

RESULTS OBTAINED FROM 5-7

5) Find the number of users who have rated at least one movie.

OUTPUT:



The screenshot shows a PostgreSQL query editor interface. The query editor tab is active, displaying a SQL query. The query is as follows:

```
--5) Find the number of users who have rated at least one movie.

CREATE VIEW user_rating_count AS
(
    SELECT r_i.userid AS u
    FROM
        rating_integer AS r_i
    INNER JOIN
        users
    ON r_i.userid=users.userid
    WHERE r_i.rating!=0
)
SELECT COUNT(u) AS user_ratings
FROM user_rating_count
```

The query is executed, and the results are shown in the Data Output tab. The output is a single row with the value 996159.

	user_ratings bigint
1	996159

6)Find the number of unrated movies.

OUTPUT:

```
86
87 --6)Find the number of unrated movies.
88
89 SELECT COUNT(r_i.rating) AS unrated_movie
90 FROM rating_integer AS r_i
91 WHERE r_i.rating=0
92
```

Data Output

	unrated_movie
	bigint
1	0

7)Find the top 10 highest rated movies and the actors who played in those movies.

Query and output:



```
100
101 --7)Find top 10 highest rated movies and the actors who played in those movies.
102
103 CREATE VIEW highest_rated_movie AS
104 (
105     SELECT r_i.movieid,
106     COUNT(r_i.rating) AS rating_count
107     FROM
108     rating_integer AS r_i
109     GROUP BY r_i.movieid
110     ORDER BY rating_count DESC LIMIT 10
111 )
112 SELECT * FROM highest_rated_movie
113
```

Data Output

	movieid integer	rating_count bigint
1	1721568	3427
2	2371726	2990
3	2371786	2989
4	2371787	2882
5	2058680	2671
6	2324123	2652
7	2401750	2649
8	2457464	2590
9	1749731	2583
10	2478414	2577

```
107
108 SELECT h_r_movies.movieid,m2a.actorid
109 FROM
110 movies2actors AS m2a
111 INNER JOIN
112 highest_rated_movie AS h_r_movies
113 ON
114 h_r_movies.movieid=m2a.movieid
115
116
117
118
119
120
121
```

Data Output

	 movieid integer	 actorid integer
1	1721568	42050
2	1721568	69157
3	1721568	86411
4	1721568	129334
5	1721568	282670
6	1721568	317484
7	1721568	384945
8	1721568	482454
9	1721568	540828
10	1721568	827690