

Browser

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Dashboard Properties SQL Statistics Dependencies Dependents jan-24.sql *

moviesdb/postgres@PostgreSQL 14

Query Editor Query History Scratch Pad

```
-----Assignment 8
-- Part A
SELECT COUNT(*) FROM actors WHERE date_of_birth > '1970-01-01';
179
SELECT MIN(domestic_takings) as lowest, MAX(domestic_takings) as highest
180 FROM movie_revenues
181
182
SELECT SUM(movie_length) FROM movies WHERE age_certificate = '15'
183
184
SELECT COUNT(*) FROM directors WHERE nationality = 'Japanese'
185
186
SELECT AVG(movie_length) FROM movies WHERE movie_lang = 'Chinese'
187
188
189
-- Part B
190
SELECT nationality, COUNT(nationality) FROM directors GROUP BY nationality
191
192
```

Data Output Explain Messages Notifications

	count
	bigint
1	55

The screenshot displays the pgAdmin 4 web interface. On the left, the 'Servers' tree shows a connection to 'PostgreSQL 14' with a database named 'moviesdb'. The 'public' schema is selected, showing various database objects. The main pane is divided into two sections: the 'Query Editor' and the 'Data Output'.

Query Editor: The SQL query is as follows:

```

-- Part A
SELECT COUNT(*) FROM actors WHERE date_of_birth > '1970-01-01';

SELECT MIN(domestic_takings) as lowest, MAX(domestic_takings) as highest
FROM movie_revenues

SELECT SUM(movie_length) FROM movies WHERE age_certificate = '15'

SELECT COUNT(*) FROM directors WHERE nationality = 'Japanese'

SELECT AVG(movie_length) FROM movies WHERE movie_lang = 'Chinese'

-- Part B
SELECT nationality, COUNT(nationality) FROM directors GROUP BY nationality

SELECT age_certificate, movie_lang, SUM(movie_length)

```

Data Output: The query results are displayed in a table with two columns: 'lowest' and 'highest', both of type 'numeric'.

	lowest numeric	highest numeric
1	0.30	659.20

A green status bar at the bottom right indicates: "Successfully run. Total query runtime: 161 msec. 1 rows affected."

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Query Editor Query History

```
177 -- Part A
178 SELECT COUNT(*) FROM actors WHERE date_of_birth > '1970-01-01';
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180 SELECT MIN(domestic_takings) as lowest, MAX(domestic_takings) as highest
181 FROM movie_revenues
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183 SELECT SUM(movie_length) FROM movies WHERE age_certificate = '15'
184
185 SELECT COUNT(*) FROM directors WHERE nationality = 'Japanese'
186
187 SELECT AVG(movie_length) FROM movies WHERE movie_lang = 'Chinese'
188
189 -- Part B
190 SELECT nationality, COUNT(nationality) FROM directors GROUP BY nationality
191
192
193 SELECT age_certificate, movie_lang, SUM(movie_length)
```

Data Output Explain Messages Notifications

	sum	bigint
1	2184	

Successfully run. Total query runtime: 131 msec. 1 rows affected.

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Query Editor Query History

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185 SELECT COUNT(*) FROM directors WHERE nationality = 'Japanese'
186
187 SELECT AVG(movie_length) FROM movies WHERE movie_lang = 'Chinese'
188
189 -- Part B
190
191 SELECT nationality, COUNT(nationality) FROM directors GROUP BY nationality
192
193 SELECT age_certificate, movie_lang, SUM(movie_length)
```

Data Output Explain Messages Notifications

count	bigint
1	3

Successfully run. Total query runtime: 127 msec. 1 rows affected.



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Query Editor Query History

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188
189 -- Part B
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191 SELECT nationality, COUNT(nationality) FROM directors GROUP BY nationality
192
193 SELECT age_certificate, movie_lang, SUM(movie_length)
```

Data Output Explain Messages Notifications

	nationality	count
	character varying (20)	bigint
1	Chinese	4
2	American	16
3	Japanese	3
4	Australian	1
5	German	1
6	Mexican	1
7	Brazilian	2
8	French	1
9	British	6
10	Swedish	1
11	South Korean	1

Successfully run. Total query runtime: 96 msec. 11 rows affected.

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Query Editor Query History

```
186
187 SELECT AVG(movie_length) FROM movies WHERE movie_lang = 'Chinese'
188
189
190 -- Part B
191 SELECT nationality, COUNT(nationality) FROM directors GROUP BY nationality
192
193 SELECT age_certificate, movie_lang, SUM(movie_length)
194 FROM movies GROUP BY age_certificate, movie_lang
195
196 SELECT movie_lang, SUM(movie_length) FROM movies GROUP BY movie_lang
197 HAVING SUM(movie_length) > 500
198
199
200 -- PART C
201 SELECT a.first_name, a.last_name FROM actors a JOIN movies_actors ma
202 ON a.actor_id = ma.actor_id
```

Data Output Explain Messages Notifications

	age_certificate	movie_lang	sum
	character varying (5)	character varying (20)	bigint
4	PG	Spanish	98
5	18	Korean	130
6	18	Japanese	219
7	15	Chinese	113
8	15	Portuguese	140
9	U	English	393
10	12	English	929
11	U	Japanese	227
12	18	English	500
13	15	German	165
14	12	Chinese	496
15	15	English	1638

✓ Successfully run. Total query runtime: 110 msec. 15 rows affected.

pgAdmin

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moviesdb/postgres@PostgreSQL 14

Query Editor Query History

```
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193 SELECT age_certificate, movie_lang, SUM(movie_length)
194 FROM movies GROUP BY age_certificate, movie_lang
195
196 SELECT movie_lang, SUM(movie_length) FROM movies GROUP BY movie_lang
197 HAVING SUM(movie_length) > 500
198
199
200 -- PART C
201 SELECT a.first_name, a.last_name FROM actors a JOIN movies_actors ma
202 ON a.actor_id = ma.actor_id
```

Data Output Explain Messages Notifications

	movie_lang	sum
	character varying (20)	bigint
1	Chinese	609
2	English	4824

Successfully run. Total query runtime: 101 msec. 2 rows affected.

pgAdmin

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Query Editor

Query History

```

195
196 SELECT movie_lang, SUM(movie_length) FROM movies GROUP BY movie_lang
197 HAVING SUM(movie_length) > 500
198
199
200 -- PART C
201 SELECT a.first_name, a.last_name FROM actors a JOIN movies_actors ma
202 ON a.actor_id = ma.actor_id
203 JOIN movies m
204 ON ma.movie_id = m.movie_id
205 JOIN directors d
206 ON m.director_id = d.director_id
207 WHERE d.first_name = 'Wes' AND d.last_name = 'Anderson'
208
209 SELECT first_name, last_name, date_of_birth FROM actors a1
210 WHERE date_of_birth IN (SELECT MIN(date_of_birth) FROM actors a2 WHERE a1.gender = a2.gender)
211

```

Data Output

Explain

Messages

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	first_name character varying (30)	last_name character varying (30)
9	Saoirse	Ronan
10	Jason	Schwartzmann
11	Tilda	Swinton
12	Olivia	Williams
13	Owen	Wilson
14	Brian	Cox
15	Mason	Gamble
16	Bill	Murray
17	Luke	Wilson
18	Adrien	Brody
19	Jason	Schwartzmann
20	Owen	Wilson

✓ Successfully run. Total query runtime: 128 msec. 20 rows affected.

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Query Editor Query History

```
201 SELECT a.first_name, a.last_name FROM actors a JOIN movies_actors ma
202 ON a.actor_id = ma.actor_id
203 JOIN movies m
204 ON ma.movie_id = m.movie_id
205 JOIN directors d
206 ON m.director_id = d.director_id
207 WHERE d.first_name = 'Wes' AND d.last_name = 'Anderson'
208
209 SELECT first_name, last_name, date_of_birth FROM actors a1
210 WHERE date_of_birth IN (SELECT MIN(date_of_birth) FROM actors a2 WHERE a1.gender = a2.gender)
211
212 SELECT movie_name, movie_length, age_certificate FROM movies m1
213 WHERE movie_length > (SELECT AVG(movie_length) FROM movies m2 WHERE m1.age_certificate = m2.age_certificate)
214 ORDER BY age_certificate
215
216 -- SOLO PROJECT
217 -- ADD BACK END TO PROJECT 3
```

Data Output Explain Messages Notifications

	first_name character varying (30)	last_name character varying (30)	date_of_birth date
1	Clark	Gable	1901-02-01
2	Vivien	Leigh	1913-11-05

Successfully run. Total query runtime: 136 msec. 2 rows affected.

pgAdmin

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Query Editor Query History

```

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209 SELECT first_name, last_name, date_of_birth FROM actors a1
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211
212 SELECT movie_name, movie_length, age_certificate FROM movies m1
213 WHERE movie_length > (SELECT AVG(movie_length) FROM movies m2 WHERE m1.age_certificate = m2.age_certificate)
214 ORDER BY age_certificate
215
216 -- SOLO PROJECT
217 -- ADD BACK END TO PROJECT 3

```

Data Output Explain Messages Notifications

	movie_name character varying (50)	movie_length integer	age_certificate character varying (5)
15	Eyes Wide Shut	130	18
16	The Shining	126	18
17	City of God	145	18
18	Oldboy	130	18
19	Life of Pi	129	PG
20	Star Wars: A New Hope	123	PG
21	Star Wars: Empire Strikes Back	150	PG
22	Star Wars: Return of the Jedi	139	PG
23	Gone with the Wind	123	PG
24	Ponyo	107	U
25	Spirited Away	120	U
26	The Wizard of Oz	120	U

Successfully run. Total query runtime: 183 msec. 26 rows affected.

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Query Editor Query History

```
205 JOIN directors d
206 ON m.director_id = d.director_id
207 WHERE d.first_name = 'Wes' AND d.last_name = 'Anderson'
208
209 SELECT first_name, last_name, date_of_birth FROM actors a1
210 WHERE date_of_birth IN (SELECT MIN(date_of_birth) FROM actors a2 WHERE a1.gender = a2.gender)
211
212 SELECT movie_name, movie_length, age_certificate FROM movies m1
213 WHERE movie_length > (SELECT AVG(movie_length) FROM movies m2 WHERE m1.age_certificate = m2.age_certificate)
214 ORDER BY age_certificate
215
216 -- SOLO PROJECT
217 -- ADD BACK END TO PROJECT 3
218 -- BACKEND WILL STORE USER INFORMATION AND CHECK IT FOR SIGN IN AND SIGN UP VERIFICATION
219 -- AS WELL AS TO STORE POSTS AND EXTRA INFORMATION ABOUT USER PROFILE
220
221
```

Data Output Explain Messages Notifications

	movie_name character varying (50)	movie_length integer	age_certificate character varying (5)
15	Eyes Wide Shut	130	18
16	The Shining	126	18
17	City of God	145	18
18	Oldboy	130	18
19	Life of Pi	129	PG
20	Star Wars: A New Hope	123	PG
21	Star Wars: Empire Strikes Back	150	PG
22	Star Wars: Return of the Jedi	139	PG
23	Gone with the Wind	123	PG
24	Ponyo	107	U
25	Spirited Away	120	U
26	The Wizard of Oz	120	U

