Part A

moviesdb/postgres@PostgreSQL 14 ∨

Query Editor   Query History

```
1   -- A1
2   Select count(actors) from actors
3   where date_of_birth > '1970-01-01'
4
```

Data Output   Explain   Messages   Notifications

count 🔒 bigint
1	55

```
5   --A2
6   select max(domestic_takings), min(domestic_takings) from movie_revenues
7
```

Data Output   Explain   Messages   Notifications

max 🔒 numeric	min 🔒 numeric
1	659.20	0.30

```
8    -- A3
9    select sum(movie_length) from movies
10   where age_certificate = '15'
11
```

Data Output   Explain   Messages   Notifications

sum 🔒 bigint
1	2184

```sql
12    --A4
13    select count(directors) from directors
14    where nationality = 'Japanese'
```

count bigint 🔒
1   3

Data Output   Explain   Messages   Notifications

```sql
16    --A5
17    select avg(movie_length) from movies
18    where movie_lang = 'Chinese'
```

Data Output   Explain   Messages   Notifications

avg numeric 🔒
1   121.8000000000000000

Part B

```
20   --B1
21   select nationality, count(directors) from directors
22   group by nationality
23
```

Data Output   Explain   Messages   Notifications

	nationality character varying (20)	count 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

```
24   --B2
25   select movie_lang, age_certificate, sum(movie_length) from movies
26   group by movie_lang, age_certificate
```

Data Output   Explain   Messages   Notifications

	movie_lang character varying (20)	age_certificate character varying (5)	sum bigint
1	Japanese	18	219
2	Chinese	15	113
3	English	18	500
4	Spanish	PG	98
5	Swedish	15	128
6	Chinese	12	496
7	English	PG	1364
8	English	15	1638
9	Portuguese	15	140
10	German	15	165
11	Korean	18	130
12	Portuguese	18	145
13	English	U	393
14	English	12	929
15	Japanese	U	227

```
28   --B3
29   select movie_lang, sum(movie_length) from movies
30   group by movie_lang
31   having sum(movie_length)>500
```

Data Output   Explain   Messages   Notifications

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

Part C

```
33  --C1
34  select ac.first_name, ac.last_name
35  from movies_actors ma join actors ac using(actor_id)
36  join movies mo using (movie_id)
37  join directors d on mo.director_id = d.director_id
38  where d.first_name  = 'Wes' and d.last_name = 'Anderson'
```

Data Output   Explain   Messages   Notifications

	first_name character varying (30)	last_name character varying (30)
1	Adrien	Brody
2	Willem	Dafoe
3	Ralph	Fiennes
4	Jeff	Goldblum
5	Jude	Law
6	Bill	Murray
7	Edward	Norton
8	Tony	Revolori
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

```
40  --C2
41  select first_name, last_name, date_of_birth
42  from actors
43  where
44  date_of_birth = (select max(date_of_birth) from actors) or
45  date_of_birth = (select min(date_of_birth) from actors)
```

Data Output   Explain   Messages   Notifications

	first_name character varying (30)	last_name character varying (30)	date_of_birth date
1	Hiroki	Doi	1999-08-10
2	Clark	Gable	1901-02-01

```
47    --C3
48    select movie_name, movie_length, age_certificate
49    from movies
50    where movie_length >
51    (select avg(movie_length) from movies
52    where movie_length = movie_length)
```

Data Output   Explain   Messages   Notifications

	movie_name character varying (50)	movie_length integer	age_certificate character varying (5)
1	Apocalypse Now	168	15
2	City of God	145	18
3	City of Men	140	15
4	Crouching Tiger Hidden Dragon	139	12
5	Eyes Wide Shut	130	18
6	Gladiator	165	15
7	Goodfellas	148	15
8	House of Flying Daggers	134	12
9	Jaws	134	12
10	Let the Right One In	128	15
11	Life of Pi	129	PG
12	Oldboy	130	18
13	Pulp Fiction	136	15
14	Raging Bull	132	18
15	Star Wars: Empire Strikes Back	150	PG
16	Star Wars: Return of the Jedi	139	PG
17	The Fifth Element	149	12
18	The Lives of Others	165	15
19	There Will Be Blood	168	15
20	Three Billboards Outside Ebbing, Missouri	134	15
21	Titanic	143	12
22	V for Vendetta	140	12
23	Watchmen	138	12