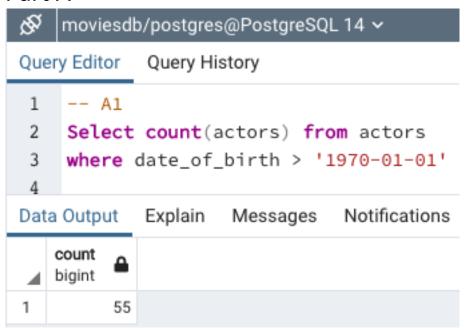
Part A



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

Data Output Explain Messages Notifications

max numeric min numeric numeri
```

```
12
    --A4
13
    select count(directors) from directors
    where nationality = 'Japanese'
14
Data Output Explain Messages Notifications
   count
   bigint
          3
1
    --A5
16
    select avg(movie_length) from movies
17
    where movie_lang = 'Chinese'
18
Data Output Explain Messages Notifications
   avg
                    Δ

    ■ numeric
     121.80000000000000000
1
```

Part B

English

```
20
     select nationality, count(directors) from directors
21
22
     group by nationality
23
Data Output
             Explain Messages
                                   Notifications
     nationality
                         count
  bigint
    Chinese
                                4
 2
    American
                               16
                                3
 3
    Japanese
    Australian
    German
                                1
    Mexican
 6
                                1
 7
    Brazilian
                                2
 8
    French
                                1
    British
                                6
    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 age_certificate character varying (20) character varying (5)
                                     bigint 🛕
                                         219
   Japanese
                     18
   Chinese
                    15
                                         113
3 English
                    18
                                         500
                    PG
4
   Spanish
                                          98
                    15
5
   Swedish
                                         128
6
   Chinese
                    12
                                         496
7
                    PG
   English
                                        1364
                    15
8
   English
                                        1638
9
                     15
   Portuguese
                                         140
10 German
                    15
                                         165
                     18
11
   Korean
                                         130
12 Portuguese
                     18
                                         145
13
                    U
                                         393
   English
14 English
                     12
                                         929
   Japanese
                    U
                                         227
28
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
 bigint
   Chinese
                              609
```

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
                        last_name
 character varying (30)
 1 Adrien
                        Brody
 2 Willem
                        Dafoe
 3
    Ralph
                        Fiennes
                        Goldblum
 4
    Jeff
    Jude
                        Law
 5
    Bill
 6
                        Murray
 7
    Edward
                        Norton
 8
   Tony
                        Revolori
 9
    Saoirse
                        Ronan
                        Schwartzmann
10
    Jason
11
    Tilda
                        Swinton
                        Williams
    Olivia
12
    Owen
                        Wilson
13
14
    Brian
                        Cox
15
    Mason
                        Gamble
    Bill
                        Murray
16
17
    Luke
                        Wilson
    Adrien
                        Brody
18
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
    date_of_birth = (select min(date_of_birth) from actors)
45
Data Output
            Explain
                     Messages
                                Notifications
                                            date_of_birth
   first_name
                        last_name
                        character varying (30)
  character varying (30)
                                            date
   Hiroki
                        Doi
                                            1999-08-10
1
  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

4	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