

Assignment 2

Expected Outputs

Last updated: **Tuesday 15th October 11:51am**
 Most recent changes are shown in **red** ... older changes are shown in **brown**.

Exercises

The outputs below are run on Grieg on the [supplied copy](#) of the IMDB database. All executed in way less than 0.5 sec.

- Which movies are more than 6 hours long?

Expected result:

```
a2=# select * from Q1 order by title;
               title
-----
100
1998: The Deadliest Year For Children In American History
An Infants Journey: Reggio Emilia Approach
A Time to Stir
Bullfighting Memories
CzechMate: In Search of Jirí Menzel
Dead Souls
Early Women Filmmakers
Europa: The Last Battle
Fan
h36:
La flor
Make Me Fly
Next Stop
Qw
Raoul Wallenberg Tragic Hero or Agent 103?
Report
Sdsdsdsdsdsds
Silence not silence, red not red, live not live
The Freshman Experience
The Innocence
The Spectacular Spider-Man Trilogy (Responsibility, Repute and Requiem)
Wholy
Who Was Hitler
Women Make Film: A New Road Movie Through Cinema
(25 rows)
```

- What different formats are there in Titles, and how many of each?

```
a2=# select * from Q2 order by format;
   format | ntiles
-----+-----
movie    | 52404
short     | 116449
tvEpisode | 40092
tvMiniSeries | 6452
tvMovie   | 8713
tvSeries  | 1561
tvShort   | 884
tvSpecial | 2577
video     | 27542
videoGame | 2653
(10 rows)
```

- What are the top 10 movies that received more than 1000 votes?

```
a2=# select * from Q3;
      title      | rating | nvotes
-----+-----+-----
Fan              | 9.6    | 1008
Truth and Justice | 9.3    | 1337
Aloko Udapadi    | 9.2    | 6529
Ardaas Karaan    | 9.2    | 1269
Dominion         | 9.2    | 1303
Ekvtine: Man of God | 9.2    | 2620
Human Capital     | 9.2    | 1225
Mosul            | 9.2    | 2600
Peranbu          | 9.2    | 10452
Care of Kancharapalem | 9.1    | 2624
(10 rows)
```

4. What are the top-rating TV series and how many episodes did each have?

```
a2=# select * from Q4 order by title;
      title      | nepisodes
-----+-----
H.A.N.D         | 5
Instagram Famous | 12
That's My Chair, That Is | 2
The Little Housewives of Posh Town | 1
(4 rows)
```

5. Which movie was released in the most languages? And how many different languages?

```
a2=# select * from Q5 order by title;
      title      | nlanguages
-----+-----
A Wrinkle in Time | 22
(1 row)
```

6. Which actor has the highest average rating in movies that they're known for?

```
a2=# select * from Q6 order by name;
      name
-----
Mark Chavarria
(1 row)
```

7. For each movie with more than 3 genres, show the movie title and a comma-separated list of the genres

```
a2=# select * from Q7 order by title;
      title      | genres
-----+-----
A Room Full of Nothing | comedy,drama,fantasy,romance
Zombie with a Shotgun | action,comedy,horror,romance
(2 rows)
```

8. Get the names of all people who had both actor and crew roles on the same movie

```
a2=# select * from Q8 order by name;
      name
-----
Aleksandr Kuznetsov
Alexander Kulikov
Andrew Gause
Bill Bushwick
Chase Craig
Christophe Otzenberger
```

```
Graham Fletcher-Cook
Jeff Adachi
Jonathan Crombie
Larry Flash Jenkins
Rob Stewart
Steve Cadwell
Thomas Mikal Ford
Tommy Lewis
(14 rows)
```

9. Who was the youngest person to have an acting role in a movie, and how old were they when the movie started?

```
a2=# select * from Q9 order by name;
      name      | age
-----+-----
Egor Klinaev    |  18
(1 row)
```

10. Write a PLpgSQL function that, given part of a title, shows the full title and the total size of the cast and crew

```
a2=# select * from q10('wwe') order by q10;
               q10
-----
WWE: Kurt Angle - The Essential Collection has 2 cast and crew
(1 row)

a2=# select * from Q10('bill') order by q10;
               q10
-----
Avicii Feat. Billy Raffoul: You Be Love has 1 cast and crew
Burned by Bill Nye has 1 cast and crew
Bushwick Bill: Geto Boy has 2 cast and crew
(3 rows)

a2=# select * from Q10('2016') order by q10;
               q10
-----
2016: Famous Faces We've Lost has 4 cast and crew
2016 the End has 1 cast and crew
International Wrestling Festival 2016 has 1 cast and crew
(3 rows)

a2=# select * from Q10('death') order by q10;
               q10
-----
Deathly Bite has 1 cast and crew
Death of the Filmmaker has 1 cast and crew
Enticing, Sugary, Boundless or Songs and Dances about Death has 1 cast and crew
Jo Cox: Death of an MP has 1 cast and crew
LONG LIVE X: The Life and Death of XXXTENTACION has 1 cast and crew
The Death of Aimee Spencer has 1 cast and crew
The Sound of Death Note has 1 cast and crew
Updating Death has 3 cast and crew
(8 rows)

a2=# select * from q10('1.3');
               q10
-----
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
```

```
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
Episode #1.3 has 1 cast and crew
(10 rows)

-- note that the above are all different episodes
-- they just happen to have the same name

a2=# select * from q10('xyz');
      q10
-----
No matching titles
(1 row)
```