# Movie & TV Analytics SQL Project - Query Outputs

# **Question 1**

List all shows (titles and descriptions) that were directed by **male directors**, along with the directors' full names.

Sort the results alphabetically by show title.

```
-- List all shows' name (with their descriptions) and director's name
647
648 -- Only shows that are directed by male directors
649 -- Order by show Title
650
      SELECT s.Title, s.Description, d.FirstName + '' '+ d.LastName AS DirectorName
651
652
      INNER JOIN Director d ON s.DirectorID = d.DirectorID
653
      WHERE d.Gender = 'M'
654
655
      ORDER BY s.Title
                                   Results grid
656
Results Messages
```

	Title	Description $\vee$	DirectorName ✓
1	Atlanta	Two cousins navigate the rap industry.	Donald Glover
2	Avatar	A Marine on Pandora faces a tough choice.	James Cameron
3	Avatar: The Way of Water	The Avatar is seen as a destroyer, not a savior.	James Cameron
4	Away	A boy and a bird journey to find home	Gints Zilbalodis
5	Breaking Bad	A chemistry teacher turned meth kingpin.	Vince Gilligan
6	El Camino: A Breaking Bad Movie	Jesse Pinkman flees his past.	Vince Gilligan
7	Flow	Animals struggle as water levels rise.	Gints Zilbalodis
8	Game of Thrones	Noble families battle for a throne.	David Benioff
9	No Time to Die	A spy film in the James Bond series.	Cary Joji Fukun…
10	Pan's Labyrinth	A girl is sent to live with a ruthless stepfath	Guillermo del T
11	Primal	A caveman and a dinosaur fight to survive.	Genndy Tartakov…
12	Prison Break	A man plans to break his brother out.	Brett Ratner
13	Squid Game	Players risk lives in deadly games.	Dong-hyuk Hwang
14	The Haunting of Hill House	A family is haunted in Hill House.	Mike Flanagan
15	The Raid: Redemption	A S.W.A.T. flights to escape.	Gareth Evans
16	Yellowstone	A ranching family in Montana defends their land.	Taylor Sheridan

Find all actors who **did not perform in any movies** listed in the database. Sort the results by the actor's last name, then first name.

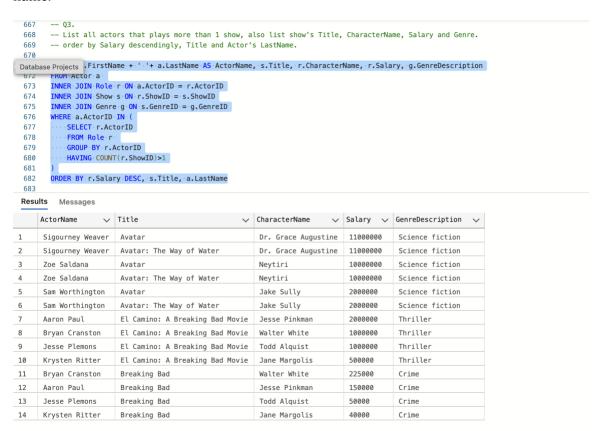
```
657
       -- Q2.
       -- List all actors that did not play any movie in the database
       -- order by LastName, FirstName
659
660
       SELECT a.FirstName + ' '+ a.LastName AS ActorName
661
       FROM Actor a
662
       LEFT OUTER JOIN Role r ON a.ActorID = r.ActorID
663
       WHERE r.ActorID is NULL
664
       ORDER BY a.LastName, a.FirstName
665
666
Results
         Messages
```

# ActorName 1 Tom Hanks 2 Natalie Portman 3 Emma Stone 4 Denzel Washington

List all actors who have acted in more than one show.

Include each show's title, character name, salary, and genre.

Sort the results by salary (highest to lowest), then show title, and finally the actor's last name.



List all **awards that have never been won** by any show.

```
-- Q4.
-- List all awards that haven't been won by any show.

SELECT a.Name
FROM Award a
LEFT OUTER JOIN ShowAward sa ON a.AwardID where sa.YearWon is NULL

Meet Sa.YearWon is NULL
```

# Results Messages

	Name	~	
1	Palme	d'Or	

List all viewers who **do not have a best friend**, along with the shows they streamed and the platforms they used.

Sort the results by the viewer's last name and first name.

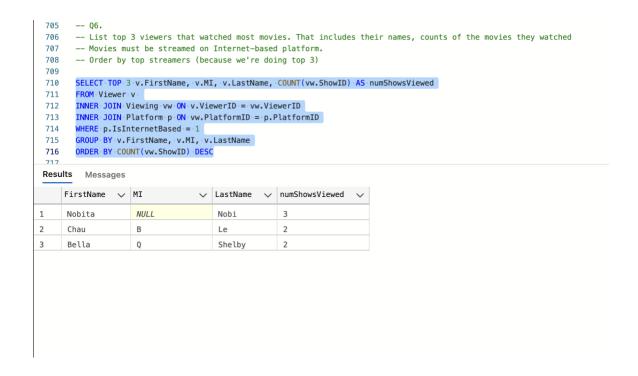
```
692
       -- 05.
      -- List all viewers, the shows' Title, and PlatformName they streamed on.
693
694
      -- Make sure only return viewers who don't have a BestFriend
695
      -- Order by LastName, FirstName
696
697
       SELECT v.FirstName, v.LastName, s.Title, p.PlatformName
698
       FROM Viewer v
       LEFT OUTER JOIN Viewing vw ON v. ViewerID = vw. ViewerID
699
       LEFT OUTER JOIN Show s ON vw.ShowID = s.ShowID
700
701
       INNER JOIN Platform p ON vw.PlatformID = p.PlatformID
702
       WHERE v.BestFriendID IS NULL
       ORDER BY v.LastName, v.FirstName
703
704
Results Messages
```

	FirstName 🗸	LastName ✓	Title 🗸	PlatformName 🗸
1	William	Fitchner	Breaking Bad	Netlix
2	Chau	Le	Avatar	Apple TV+
3	Chau	Le	Squid Game	Peacock

Find the **top 3 viewers** who have watched the most movies that were streamed on **internet-based platforms**.

Return their names and the number of movies watched.

Sort the results by the number of movies viewed (descending).

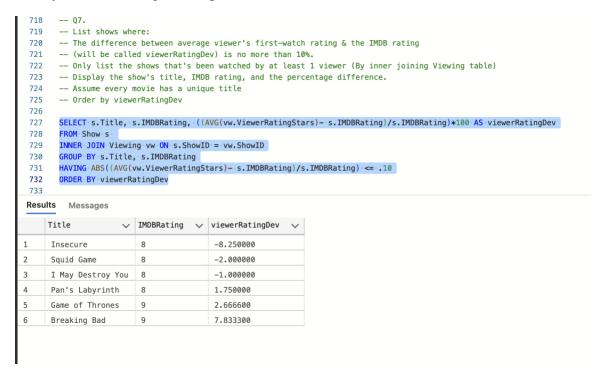


List all shows where the difference between the average viewer rating and the IMDB rating is no more than 10%.

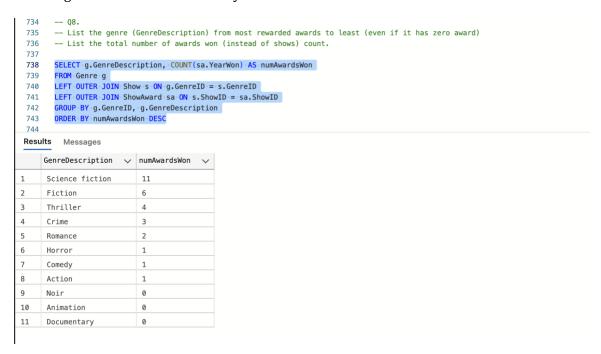
Only include shows that have been watched at least once.

Display the show title, IMDB rating, and the percentage difference.

Sort by the calculated percentage difference.



List all genres ranked by the **total number of awards won**, from most to least. Include genres that haven't won any awards.



List all shows where the **total number of roles is not exactly 3**.

Return the show title and the number of characters.

Sort by the number of characters and then by title.

```
745
      -- Q9.
746
      -- List Show's title that number of Roles in that show is not 3
747
      -- List total number of Roles for each show.
748
      -- Order by count of number of Roles, title
749
750
      SELECT s.Title, COUNT(r.CharacterName) AS numCharacters
751
      FROM Show s
752
      LEFT OUTER JOIN Role r ON s.ShowID = r.ShowID
753
      GROUP BY s.Title
      HAVING COUNT(r.CharacterName) != 3
754
755
      ORDER BY numCharacters, s.Title
756
```

### Results Messages

	Title	numCharacters $\checkmark$	
1	Away	0	
2	Flow	0	
3	Primal	0	
4	Steven Universe: The Movie	2	
5	El Camino: A Breaking Bad Movie	4	
6	Breaking Bad	5	

#### List the top 10 shows that pay their actors the most in total.

Include the show title, total payment to actors, and the full name of the show's director. Sort by total payment (descending), then director's last name and first name.

