

# 92.7 BIG FM



## SQL CHALLENGE

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The challenge is to craft SQL queries to extract insights from the 92.7 BIG FM radio network database.

# DATABASE TABLES

Stations

Hosts

Shows

Partnerships

Show Partnerships

Awards

Online Presence

# QUESTIONS

- Retrieve all stations in the "East" region?
- List all shows hosted by "Vrajesh Hirjee"?
- Count the number of awards each show has won?
- Find shows that have partnerships with "Spotify"?
- Retrieve hosts who joined before 2010?







# QUESTIONS

- List the shows and their launch dates in descending order of launch date?
- Find the total count of shows for each host?
- Show the online presence platforms with their links?
- Retrieve the stations in the "South" region launched after 2010?
- Rank hosts based on the number of shows they have hosted?

Retrieve all stations in the "East" region?

202





203 • `SELECT * FROM Stations WHERE Location = "East";`

Result Grid |   Filter Rows:  | Edit:    | Export/Import: 

	StationID	StationName	Location	Frequency	LaunchDate
•	1	Asansol	East	92.70	2006-09-01
	2	Bhubaneswar	East	92.70	2006-09-01
	3	Guwahati	East	92.70	2006-09-01
	4	Jamshedpur	East	92.70	2006-09-01
	5	Kolkata	East	92.70	2006-09-01
	6	Ranchi	East	92.70	2006-09-01
	7	Rourkela	East	92.70	2006-09-01
•	NULL	NULL	NULL	NULL	NULL

List all shows hosted by "Vrajesh Hirjee"?

```
206  
207 • SELECT h.HostName , s.ShowName  
208 FROM Hosts h JOIN Shows s  
209 USING (HostID)  
210 WHERE h.HostName = "Vrajesh Hirjee";
```

Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	HostName	ShowName		
▶	Vrajesh Hirjee	21 Din Wellness In with Sunil Shetty		

Count the number of awards each show has won?

```
212 3) Count the number of awards each show has won.  
213 • SELECT s.ShowName, COUNT(a.AwardID) AS NumberOfAwards  
214 FROM Shows s JOIN Awards a  
215 USING (ShowID)  
216 GROUP BY s.ShowName;  
217  
218
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
ShowName	NumberOfAwards		
▶ Suhaana Safar with Annu Kapoor	1		
Yaadon Ka Idiot Box with Neelesh Misra	1		
Dhun Badal Ke Toh Dekho Season 1 (with Vidya ...	1		
Dhun Badal Ke Toh Dekho Season 2 (with Sadhg...	1		
21 Din Wellness In with Sunil Shetty	1		
Green Ganesha	1		



# Find shows that have partnerships with "Spotify"?

- ```
SELECT DISTINCT s.ShowID, s.ShowName, p.PartnerName
FROM Shows s
JOIN ShowPartnerships sp ON s.ShowID = sp.ShowID
JOIN Partnerships p ON sp.PartnershipID = p.PartnershipID
WHERE p.PartnerName = 'Spotify';
```

|        |                                |             |                    |
|--------|--------------------------------|-------------|--------------------|
| Grid   | Filter Rows:                   | Export:     | Wrap Cell Content: |
| ShowID | ShowName                       | PartnerName |                    |
|        | Suhaana Safar with Annu Kapoor | Spotify     |                    |

# Retrieve hosts who joined before 2010?

227 -- Retrieve hosts who joined before 2010:

228 • `SELECT HostID, HostName, JoinDate FROM Hosts WHERE YEAR(JoinDate)<2010;`






Result Grid |  Filter Rows:  | Edit:    | Export/Import:   | Wrap Cell Content:

|   | HostID | HostName                 | JoinDate   |
|---|--------|--------------------------|------------|
|   | 5      | Kamini Khanna            | 2006-09-01 |
|   | 6      | Richa Anirudh            | 2006-09-01 |
|   | 7      | RJ Khaas Koushik         | 2006-09-01 |
|   | 8      | RJ Pat Pat Pataki Shruti | 2006-09-01 |
|   | 9      | RJ Rapid Rashmi          | 2006-09-01 |
|   | 10     | RJ Rani                  | 2006-09-01 |
|   | 11     | RJ Khurafati Nitin       | 2006-09-01 |
|   | 12     | RJ Sangram               | 2006-09-01 |
|   | 13     | RJ Abhilash              | 2006-09-01 |
| * | NULL   | NULL                     | NULL       |

List the shows and their launch dates in descending order of launch date?

```
231
232 •      SELECT ShowID, ShowName, LaunchDate FROM Shows
233          ORDER BY LaunchDate DESC;
234
```

---

Result Grid |   Filter Rows:  | Edit:    | Export/Imp

|   | ShowID | ShowName                                         | LaunchDate |
|---|--------|--------------------------------------------------|------------|
| ▶ | 5      | 21 Din Wellness In with Sunil Shetty             | 2023-01-01 |
|   | 6      | Green Ganesha                                    | 2023-01-01 |
|   | 3      | Dhun Badal Ke Toh Dekho Season 1 (with Vidya ... | 2019-01-01 |
|   | 4      | Dhun Badal Ke Toh Dekho Season 2 (with Sadhg...  | 2019-01-01 |
|   | 1      | Suhaana Safar with Annu Kapoor                   | 2006-09-01 |
|   | 2      | Yaadon Ka Idiot Box with Neelesh Misra           | 2006-09-01 |
| ● | NULL   | NULL                                             | NULL       |

Find the total count of shows for each host?

236

237 • `SELECT HostName, SUM>ShowCount) AS NumberOfShows FROM Hosts`  
238 `GROUP BY HostName;`

| Result Grid |                          |               | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--------------------------|---------------|--------------|---------|--------------------|
|             | HostName                 | NumberOfShows |              |         |                    |
| ▶           | Vrajesh Hirjee           | 2             |              |         |                    |
|             | Annu Kapoor              | 3             |              |         |                    |
|             | Neelesh Misra            | 2             |              |         |                    |
|             | Bhawana Somaaya          | 1             |              |         |                    |
|             | Kamini Khanna            | 1             |              |         |                    |
|             | Richa Anirudh            | 2             |              |         |                    |
|             | RJ Khaas Koushik         | 1             |              |         |                    |
|             | RJ Pat Pat Pataki Shruti | 2             |              |         |                    |
|             | RJ Rapid Rashmi          | 3             |              |         |                    |
|             | RJ Rani                  | 1             |              |         |                    |

Show the online presence platforms with their links?

241

242 • `SELECT PlatformName, Link FROM OnlinePresence;`

Result Grid



Filter Rows:

Export:



Wrap Cell Cont

|   | PlatformName    | Link                                                                        |
|---|-----------------|-----------------------------------------------------------------------------|
| ▶ | Spotify         | <a href="https://open.spotify.com/bigfm">https://open.spotify.com/bigfm</a> |
|   | Gaana           | <a href="https://gaana.com/bigfm">https://gaana.com/bigfm</a>               |
|   | JioSaavn        | <a href="https://www.jiosaavn.com/bigfm">https://www.jiosaavn.com/bigfm</a> |
|   | Hungama Music   | <a href="https://www.hungama.com/bigfm">https://www.hungama.com/bigfm</a>   |
|   | BIG Living Shop | <a href="https://bigliving.shop">https://bigliving.shop</a>                 |

Retrieve the stations in the "South" region launched after 2010?

```
245  
246 • SELECT StationName, Location, LaunchDate  
247 FROM Stations  
248 WHERE YEAR(LaunchDate)>2010 AND Location = 'South';  
249  
250
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:

|  | StationName | Location | LaunchDate |
|--|-------------|----------|------------|
|--|-------------|----------|------------|

**No records found**

# Rank hosts based on the number of shows they have hosted?

```
251
252 •      SELECT HostName, ShowCount,
253          DENSE_RANK() OVER(ORDER BY ShowCount DESC) AS HostRank
254          FROM Hosts;
```

| Result Grid              | Filter Rows: | Export:  | Wrap Cell Content: |
|--------------------------|--------------|----------|--------------------|
| HostName                 | ShowCount    | HostRank |                    |
| ▶ Annu Kapoor            | 3            | 1        |                    |
| RJ Rapid Rashmi          | 3            | 1        |                    |
| Vrajesh Hirjee           | 2            | 2        |                    |
| Neelesh Misra            | 2            | 2        |                    |
| Richa Anirudh            | 2            | 2        |                    |
| RJ Pat Pat Pataki Shruti | 2            | 2        |                    |
| RJ Khurafati Nitin       | 2            | 2        |                    |
| Bhawana Somaaya          | 1            | 3        |                    |
| Kamini Khanna            | 1            | 3        |                    |
| RJ Khaas Koushik         | 1            | 3        |                    |
| D1 Dani                  | 1            | 3        |                    |

SOME ADDITIONAL INSIGHTS ...



# Years with highest number of awards

```
273 • SELECT
274     A.Year,
275     COUNT(A.AwardID) AS AwardCount
276 FROM Awards A
277 GROUP BY A.Year
278 HAVING COUNT(A.AwardID) = (SELECT COUNT(AwardID) FROM Awards GROUP BY Year ORDER BY COUNT(AwardID) DESC LIMIT 1)
279 ORDER BY A.Year;
```

Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content: 

|   | Year | AwardCount |
|---|------|------------|
| ▶ | 2018 | 2          |
|   | 2019 | 2          |

# Shows that have won awards and their partnership Information

```
258 • SELECT
259     S.ShowID,
260     S.ShowName,
261     A.AwardName,
262     A.Year,
263     P.PartnerName
264 FROM Shows S
265 JOIN Awards A ON S.ShowID = A.ShowID
266 LEFT JOIN ShowPartnerships SP ON S.ShowID = SP.ShowID
267 LEFT JOIN Partnerships P ON SP.PartnershipID = P.PartnershipID
268 WHERE A.AwardID IS NOT NULL
269 ORDER BY S.ShowID;
270
```

Result Grid |   Filter Rows:  | Export:  | Wrap Cell Content: 

|   | ShowID | ShowName                                         | AwardName               | Year | PartnerName     |
|---|--------|--------------------------------------------------|-------------------------|------|-----------------|
| ▶ | 1      | Suhaana Safar with Annu Kapoor                   | IRF Gold                | 2019 | Spotify         |
|   | 2      | Yaadon Ka Idiot Box with Neelesh Misra           | IRF Gold                | 2018 | Gaana           |
|   | 3      | Dhun Badal Ke Toh Dekho Season 1 (with Vidya ... | ABBY                    | 2017 | JioSaavn        |
|   | 4      | Dhun Badal Ke Toh Dekho Season 2 (with Sadhg...  | NYF Radio Award         | 2014 | Hungama Music   |
|   | 5      | 21 Din Wellness In with Sunil Shetty             | Indian Radio Forum Gold | 2019 | Big Living Shop |
|   | 6      | Green Ganesha                                    | Indian Radio Forum Gold | 2018 | Blue Mic        |

Thank You