

**SQL CHALLENGE PRESENT**

**92.7  
BIG FM**

**EVERY  
FRIDAY  
7PM**



**BIG  
FM  
RADIO NETWORK**

**SQL CASE  
STUDY**



**DIGITS N DATA**

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# PROJECT OBJECTIVE

Objective is to analyze the 92.7 BIG FM radio network database, extracting valuable insights through carefully crafted SQL queries to understand audience demographics, popular shows, and ultimately enhancing decision-making processes for the radio network.



# TABLES :-




**AWARDS  
HOSTS  
ONLINE PRESENCE  
PARTNERSHIPS  
SHOW PARTNERHIPS  
SHOWS  
STATIONS**

## 1) Retrieve all stations in the "East" region?

```
SELECT stationid, stationname AS Stations, location  
FROM stations  
WHERE location='east';
```

**Solution**



stationid	Stations	location
1	Asansol	East
2	Bhubaneswar	East
3	Guwahati	East
4	Jamshedpur	East
5	Kolkata	East
6	Ranchi	East
7	Rourkela	East



**2) List all shows hosted by "Vrajesh Hirjee"?**

```
SELECT h.hostid,s.showname AS shows,h.hostname  
FROM Hosts h  
LEFT JOIN Shows s  
ON h.hostid=s.hostid  
WHERE h.hostname='Vrajesh Hirjee';
```

**Solution**



hostid	shows	hostname
1	21 Din Wellness In with Sunil Shetty	Vrajesh Hirjee



### 3) Count the number of awards each show has won?

```
SELECT s.showid,s.showname,COUNT(a.awardid) AS num_of_awards  
FROM awards a  
JOIN shows s  
ON a.showid=s.showid  
GROUP BY s.showname,s.showid;
```

**Solution**

showid	showname	num_of_awards
1	Suhaana Safar with Annu Kapoor	1
2	Yaadon Ka Idiot Box with Neelesh Misra	1
3	Dhun Badal Ke Toh Dekho Season 1 (with Vidya Balan)	1
4	Dhun Badal Ke Toh Dekho Season 2 (with Sadhguru)	1
5	21 Din Wellness In with Sunil Shetty	1
6	Green Ganesha	1



#### 4) Find shows that have partnerships with "Spotify"?

```
SELECT s.showname as shows,p.partnername  
FROM partnerships p  
JOIN showpartnerships sp  
ON p.partnershipid=sp.partnershipid  
JOIN shows s  
ON sp.showid=s.showid  
WHERE p.partnername='Spotify';
```

**Solution**

shows	partnername
Suhaana Safar with Annu Kapoor	Spotify



## 5) Retrieve hosts who joined before 2010?

```
SELECT hostid,hostname AS host,joindate  
FROM hosts  
WHERE YEAR(joindate)<2010;
```

**Solution**


hostid	host	joindate
1	Vrajesh Hirjee	9/1/2006
2	Annu Kapoor	9/1/2006
3	Neelesh Misra	9/1/2006
4	Bhawana Somaaya	9/1/2006
5	Kamini Khanna	9/1/2006
6	Richa Anirudh	9/1/2006
7	RJ Khaas Koushik	9/1/2006
8	RJ Pat Pat Pataki Shruti	9/1/2006
9	RJ Rapid Rashmi	9/1/2006
10	RJ Rani	9/1/2006
11	RJ Khurafati Nitin	9/1/2006
12	RJ Sangram	9/1/2006
13	RJ Abhilash	9/1/2006



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

```
SELECT showid, showname AS shows, launchdate  
FROM shows  
ORDER BY launchdate DESC;
```

**Solution**



showid	shows	launchdate
5	21 Din Wellness In with Sunil Shetty	1/1/2023
6	Green Ganesha	1/1/2023
3	Dhun Badal Ke Toh Dekho Season 1 (with Vidya Balan)	1/1/2019
4	Dhun Badal Ke Toh Dekho Season 2 (with Sadhguru)	1/1/2019
1	Suhaana Safar with Annu Kapoor	9/1/2006
2	Yaadon Ka Idiot Box with Neelesh Misra	9/1/2006



## 7) Find the total count of shows for each host?

```
SELECT hostname AS host, SUM(showcount) AS total_show_count  
FROM hosts  
GROUP BY hostname  
ORDER BY total_show_count DESC;
```

**Solution**



host	total_show_count
Annu Kapoor	3
RJ Rapid Rashmi	3
Vrajesh Hirjee	2
Neelesh Misra	2
Richa Anirudh	2
RJ Pat Pat Pataki Shruti	2
RJ Khurafati Nitin	2
Bhawana Somaaya	1
Kamini Khanna	1
RJ Khaas Koushik	1
RJ Rani	1
RJ Sangram	1
RJ Abhilash	1



**8) Show the online presence platforms with their links?**

**SELECT platformname,link FROM onlinepresence;**

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>

**Solution**




**9) Retrieve the stations in the "South" region launched after 2010?**

```
SELECT st.stationname,st.location,sh.launchdate  
FROM stations st  
JOIN shows sh  
ON st.stationid=sh.stationid
```

```
WHERE st.location='south' AND YEAR(sh.launchdate)>2010;
```

**Solution**



stationname	location	launchdate

**No Data Found**



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

```
SELECT hostname ,showcount,  
DENSE_RANK() OVER(ORDER BY showcount DESC) AS host_ranks  
FROM hosts;
```

**Solution**

hostname	showcount	host_ranks
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
RJ Rani	1	3
RJ Sangram	1	3
RJ Abhilash	1	3



**THANK YOU.....**

