

SQL Challenge

92.7 BIG FM radio network



Objective :



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

Tables Used



- ❧ Stations
- ❧ Hosts
- ❧ Shows
- ❧ Partnerships
- ❧ Show partnerships
- ❧ Awards
- ❧ Online Presence

1) Retrieve all stations in the “East” region.



```
/* 1. Retrieve all stations in the "East" region */  
select * from Stations  
where location='East'
```

150 %

Results Messages

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

2. List all shows hosted by “Vrajesh Hirjee”?

```
/* 2. List all shows hosted by " Vrajesh Hirjee"*/  
select hostname, showname from Hosts  
left join Shows  
on hosts.hostid = shows.HostID  
where hostname ='vrajesh hirjee'
```

150 %

Results Messages

	hostname	showname
1	Vrajesh Hirjee	21 Din Wellness In with Sunil Shetty

3. Count the number of awards each show has won?



```
/* 3. Count the number of awards each show has won?*/
select showname, count(awardid) as number_of_awards
from Shows
join Awards
on shows.ShowID = Awards.ShowID
group by showname
```

150 %

Results Messages

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

4. Find shows that have partnerships with “Spotify”?

```
/* 4. Find shows that have partnerships with "spotify"? */  
select showname, partnername  
from ShowPartnerships  
join shows  
on Shows.ShowID= ShowPartnerships.ShowID  
join Partnerships  
on ShowPartnerships.partnershipid= Partnerships.PartnershipID  
where partnername='spotify'
```

150 %

Results

Messages

	showname	partnername
1	Suhaana Safar with Annu Kapoor	Spotify

5. Retrieve hosts who joined before 2010?



```
/* 5. Retrieve hosts who joined before 2010?*/  
select hostname, joindate  
from Hosts  
where year(joindate)<2010
```

150 %

Results Messages

	hostname	joindate
1	Vrajesh Hirjee	2006-09-01
2	Annu Kapoor	2006-09-01
3	Neelesh Misra	2006-09-01
4	Bhawana Somaaya	2006-09-01
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

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



```
/* 6. List the shows and their launch dates in descending order of launch date? */  
select showid, showname, launchdate  
from Shows  
order by launchdate desc
```

150 %

Results Messages

	showid	showname	launchdate
1	5	21 Din Wellness In with Sunil Shetty	2023-01-01
2	6	Green Ganesha	2023-01-01
3	3	Dhun Badal Ke Toh Dekho Season 1 (with Vidya Bal...	2019-01-01
4	4	Dhun Badal Ke Toh Dekho Season 2 (with Sadhguru)	2019-01-01
5	1	Suhaana Safar with Annu Kapoor	2006-09-01
6	2	Yaadon Ka Idiot Box with Neelesh Misra	2006-09-01

7. Find the total count of shows for each host?



```
/* 7. Find the total count of shows for each host ?*/  
select hostname, sum(showcount) as total_shows  
from Hosts  
group by hostname
```

150 %

Results Messages

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

8. Show the online presence platforms with their links?

```
/* 8. Show the online presence platforms with their links ?*/  
select platformname, link  
from OnlinePresence
```

150 %

Results Messages

	platformname	link
1	Spotify	https://open.spotify.com/bigfm
2	Gaana	https://gaana.com/bigfm
3	JioSaavn	https://www.jiosaavn.com/bigfm
4	Hungama Music	https://www.hungama.com/bigfm
5	BIG Living Shop	https://bigliving.shop

9. Retrieve the stations in the “south” region launched after 2010?



```
/* 9. Retrieve the stations in the "South" region launched after 2010 ? */  
select StationName, stationid, launchdate, location  
from Stations  
where location = 'south' and year(launchdate) > 2010
```

150 %

Results Messages

StationName	stationid	launchdate	location
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10. Rank hosts based on the number of shows they have hosted?

```
/* 10. Rank hosta based on the number of shows they have hosted ?*/  
select hostname, showcount,  
       DENSE_RANK() over(order by showcount) as hostrank  
from Hosts
```

150 %

Results Messages

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