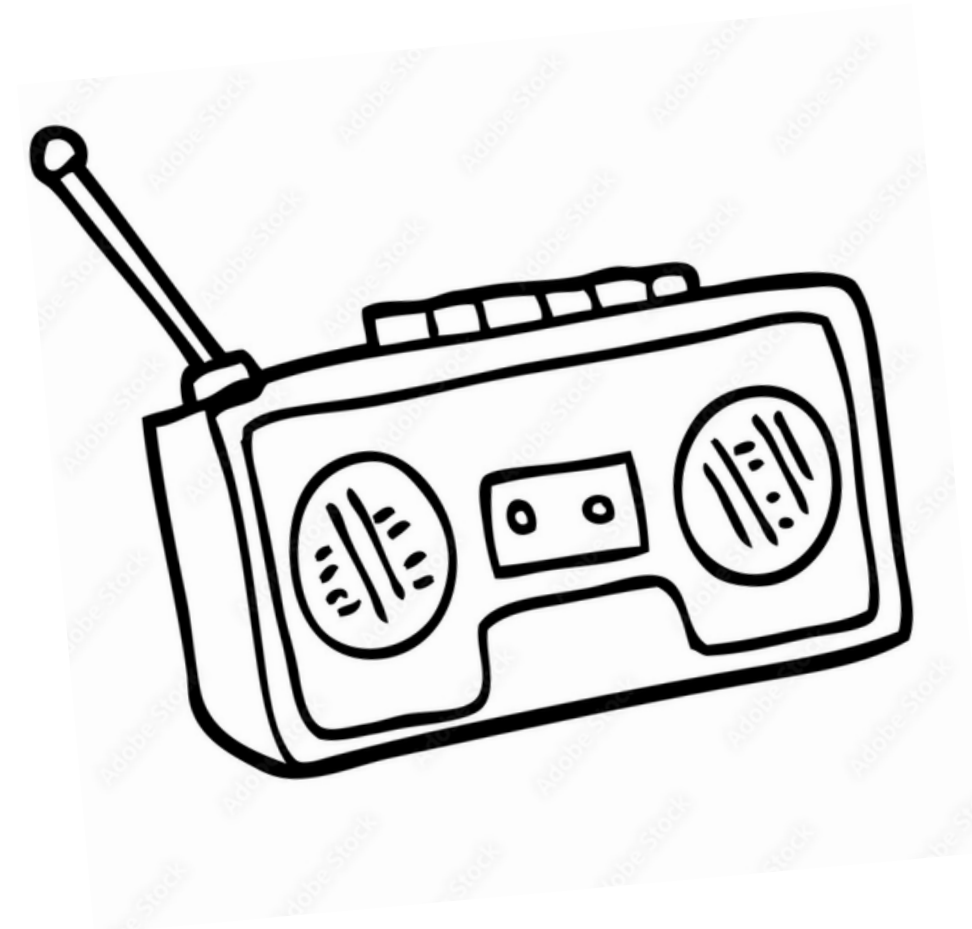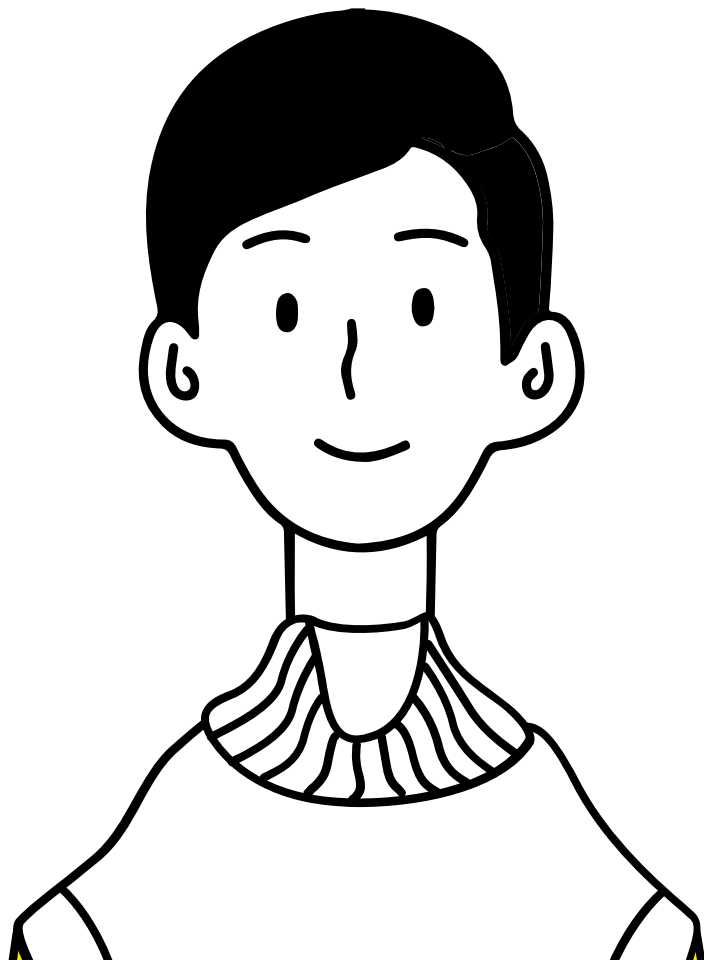# 92.7 BIG FM Radio Network

SQL Analysis

Presented by

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Table Used

1. Stations

2. Hosts

3. Shows

4. Partnerships

5. ShowPartnerships

6. Awards

7. OnlinePresence

Introduction

Here challenge from **Digit n Data** is to craft SQL queries to extract insights from the **92.7 BIG FM radio** network database. We have multiple table in the dataset from this we have to find the solution for our quries.

Questions

1) Retrieve all stations in the "East" region?
2) List all shows hosted by "Vrajesh Hirjee"?
3) Count the number of awards each show has won?
4) Find shows that have partnerships with "Spotify"?
5) Retrieve hosts who joined before 2010?
6) List the shows and their launch dates in descending order of launch date?
7) Find the total count of shows for each host?
8) Show the online presence platforms with their links?
9) Retrieve the stations in the "South" region launched before 2010?
10) Rank hosts based on the number of shows they have hosted?

Let's get started!

1. Retrieve all stations in the "East" region?

```
SELECT *
FROM stations
WHERE location = "East";
```

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

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

```sql
SELECT a.HostName ,
b.ShowName
FROM hosts as a
join shows as b
on a.HostID = b.HostID
WHERE HostName = "Vrajesh Hirjee";
```

HostName	ShowName
Vrajesh Hirjee	21 Din Wellness In with Sunil Shetty

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

```sql
SELECT b.ShowID,
b.ShowName ,
COUNT(a.AwardID) as Total_award
FROM awards as a
Join shows as b
ON a.ShowID = b.ShowID
GROUP BY AwardID;
```

ShowID	ShowName	Total_award
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 ...	1
4	Dhun Badal Ke Toh Dekho Season 2 (with Sadhg...	1
5	21 Din Wellness In with Sunil Shetty	1
6	Green Ganesha	1

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

```sql
SELECT a.ShowID ,
a.ShowName , c.PartnerName
From shows as a
Join showpartnerships as b
On a.ShowID = b.ShowID
Join partnerships as c
On b.PartnershipID = c.PartnershipID
Where PartnerName = "Spotify";
```

ShowID	ShowName	PartnerName
1	Suhaana Safar with Annu Kapoor	Spotify

5) Retrieve hosts who joined before 2010?

```sql
SELECT HostName , JoinDate
FROM hosts
where Year(JoinDate) < 2010;
```

HostName	JoinDate
Vrajesh Hirjee	2006-09-01
Annu Kapoor	2006-09-01
Neelesh Misra	2006-09-01
Bhawana Somaaya	2006-09-01
Kamini Khanna	2006-09-01
Richa Anirudh	2006-09-01
RJ Khaas Koushik	2006-09-01
RJ Pat Pat Pataki Shruti	2006-09-01
RJ Rapid Rashmi	2006-09-01
RJ Rani	2006-09-01
RJ Khurafati Nitin	2006-09-01
RJ Sangram	2006-09-01
RJ Abhilash	2006-09-01

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

```sql
SELECT ShowName ,
LaunchDate
FROM shows
order by LaunchDate desc;
```

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

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

```sql
SELECT HostName ,
sum( ShowCount ) as Total_show
FROM hosts
group by HostName;
```

HostName	Total_show
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
RJ Khurafati Nitin	2
RJ Sangram	1
RJ Abhilash	1

8) Show the online presence platforms with their links?

```sql
SELECT PlatformName ,Link
FROM onlinepresence ;
```

	PlatformName	Link
▶	Spotify	https://open.spotify.com/bigfm
	Gaana	https://gaana.com/bigfm
	JioSaavn	https://www.jiosaavn.com/bigfm
	Hungama Music	https://www.hungama.com/bigfm
	BIG Living Shop	https://bigliving.shop

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

```sql
SELECT StationName ,
Location , LaunchDate
FROM stations
WHERE location = "South"
AND Year(LaunchDate) < 2010;
```

StationName	Location	LaunchDate
Nagpur	South	2006-09-01
Aurangabad	South	2006-09-01
Ahmednagar	South	2006-09-01
Kolhapur	South	2006-09-01
Mangalore	South	2006-09-01
Mysore	South	2006-09-01
Hyderabad	South	2006-09-01
Bangalore	South	2006-09-01
Chennai	South	2006-09-01
Trivandrum	South	2006-09-01
Pondicherry	South	2006-09-01
Lucknow	South	2006-09-01
Gorakhpur	South	2006-09-01
Varanasi	South	2006-09-01
Patna	South	2006-09-01
Muzaffarpur	South	2006-09-01
Kanpur	South	2006-09-01

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

```sql
SELECT HostName , ShowCount ,
DENSE_RANK ( ) Over ( order by Showcount desc) as Host_rank
FROM hosts ;
```

HostName	ShowCount	Host_rank
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