

SQL ANALYSIS ON

92.7 BIG FM RADIO NETWORK



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TABLES → Attributes of respective tables

Stations → StationID, StationName, Location, Frequency, LaunchDate

Hosts → HostID, HostName, ShowCount, JoinDate

Shows → ShowID, ShowName, HostID, StationID, LaunchDate

Partnerships → PartnershipID, PartnerName, PartnershipType,StartDate,EndDate

ShowPartnerships → ShowID, PartnershipID

Awards → AwardID, AwardName, Year, ShowID

OnlinePresence → PresenceID, PlatformName, Link, LaunchDate

1. Retrieve the names of all radio stations in the database.

QUERY

```
SELECT StationName FROM Stations;
```

RESULT

StationName
Asansol
Bhubaneswar
Guwahati
Jamshedpur
Kolkata
Ranchi

2. Find the name and join date of the host with ID3.

QUERY

```
SELECT HostName, JoinDate FROM Hosts WHERE HostID=3;
```

RESULT

HostName	JoinDate
Neelesh Misra	2006-09-01

3. Retrieve the show count for the show named 'Suhaana Safar with Annu Kapoor.'

QUERY

```
SELECT COUNT(*) FROM Hosts AS H JOIN Shows AS S ON  
H.HostID=S.HostID WHERE S.ShowName='Suhaana Safar with Annu  
Kapoor';
```

RESULT

COUNT(*)
1

4. List the names of all partnerships that are of type 'E-Commerce'.

QUERY

```
SELECT PartnerName FROM Partnerships WHERE PartnershipType = 'E-commerce';
```

RESULT

PartnerName
Big Living Shop

5. Retrieve the names of shows that won the 'IRF Gold' Award in 2019.

QUERY

```
SELECT S.ShowName FROM Shows AS S JOIN Awards AS A ON  
S.ShowID=A.ShowID WHERE A.AwardName='IRF Gold' ;
```

RESULT

ShowName
Suhaana Safar with Annu Kapoor
Yaadon Ka Idiot Box with Neelesh Misra

6. Retrieve the platform names and links for online presences launched before 2022.

QUERY

```
SELECT PlatformName,Link FROM OnlinePresence WHERE  
LaunchDate<'2022-01-01';
```

RESULT

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

7. Find the frequency and the number of awards won by each show.

QUERY

```
SELECT S.ShowID, S.ShowName, SS.Frequency, COUNT(A.AwardID)
AS NumberOfAwards FROM Shows AS S JOIN Stations AS SS ON
S.StationID=SS.StationID JOIN Awards AS A ON A.showID=S.ShowID
GROUP BY S.ShowID, S.ShowName, SS.Frequency;
```

RESULT

ShowID	ShowName	Frequency	NumberOfAwards
1	Suhaana Safar with Annu Kapoor	92.70	1
2	Yaadon Ka Idiot Box with Neelesh Misra	92.70	1
3	Dhun Badal Ke Toh Dekho Season 1 (with Vidya ...	92.70	1
4	Dhun Badal Ke Toh Dekho Season 2 (with Sadhg...	92.70	1
5	21 Din Wellness In with Sunil Shetty	92.70	1
6	Green Ganesha	92.70	1

8. List Hosts who have hosted more than one show, along with the names of their shows.

QUERY

```
SELECT HostName, ShowName, ShowCount FROM Hosts AS H JOIN Shows AS S ON H.HostID=S.HostID WHERE ShowCount>1;
```

RESULT

HostName	ShowName	ShowCount
Annu Kapoor	Suhaana Safar with Annu Kapoor	3
Neelesh Misra	Yaadon Ka Idiot Box with Neelesh Misra	2
Vrajesh Hirjee	21 Din Wellness In with Sunil Shetty	2
Richa Anirudh	Green Ganesha	2

9. Analyze the trend of online presence launch dates and provide insights into the growth or changes.

QUERY

```
SELECT PlatformName, MIN(LaunchDate) AS EarliestLaunchDate,  
MAX(LaunchDate) AS LatestLaunchDate, COUNT(*) AS  
TotalPresencesLaunched FROM OnlinePresence GROUP BY PlatformName  
ORDER BY EarliestLaunchDate;
```

RESULT

PlatformName	EarliestLaunchDate	LatestLaunchDate	TotalPresencesLaunched
Spotify	2020-01-01	2020-01-01	1
Gaana	2020-01-01	2020-01-01	1
JioSaavn	2020-01-01	2020-01-01	1
Hungama Music	2021-10-01	2021-10-01	1
BIG Living Shop	2023-01-01	2023-01-01	1

10. Identify the top 3 hosts with the highest show count.

QUERY

```
SELECT HostID, HostName, ShowCount FROM Hosts ORDER BY ShowCount  
DESC LIMIT 3;
```

RESULT

HostID	HostName	ShowCount
2	Annu Kapoor	3
9	RJ Rapid Rashmi	3
1	Vrajesh Hirjee	2

CONCLUSION

In this case study, I have explored a comprehensive radio database consisting of tables representing stations, hosts, shows, partnerships, awards, and online presence. By formulating a series of SQL queries, I have gained valuable insights into various aspects of the radio industry.



THANK YOU

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