

92.7 BIG FM radio network

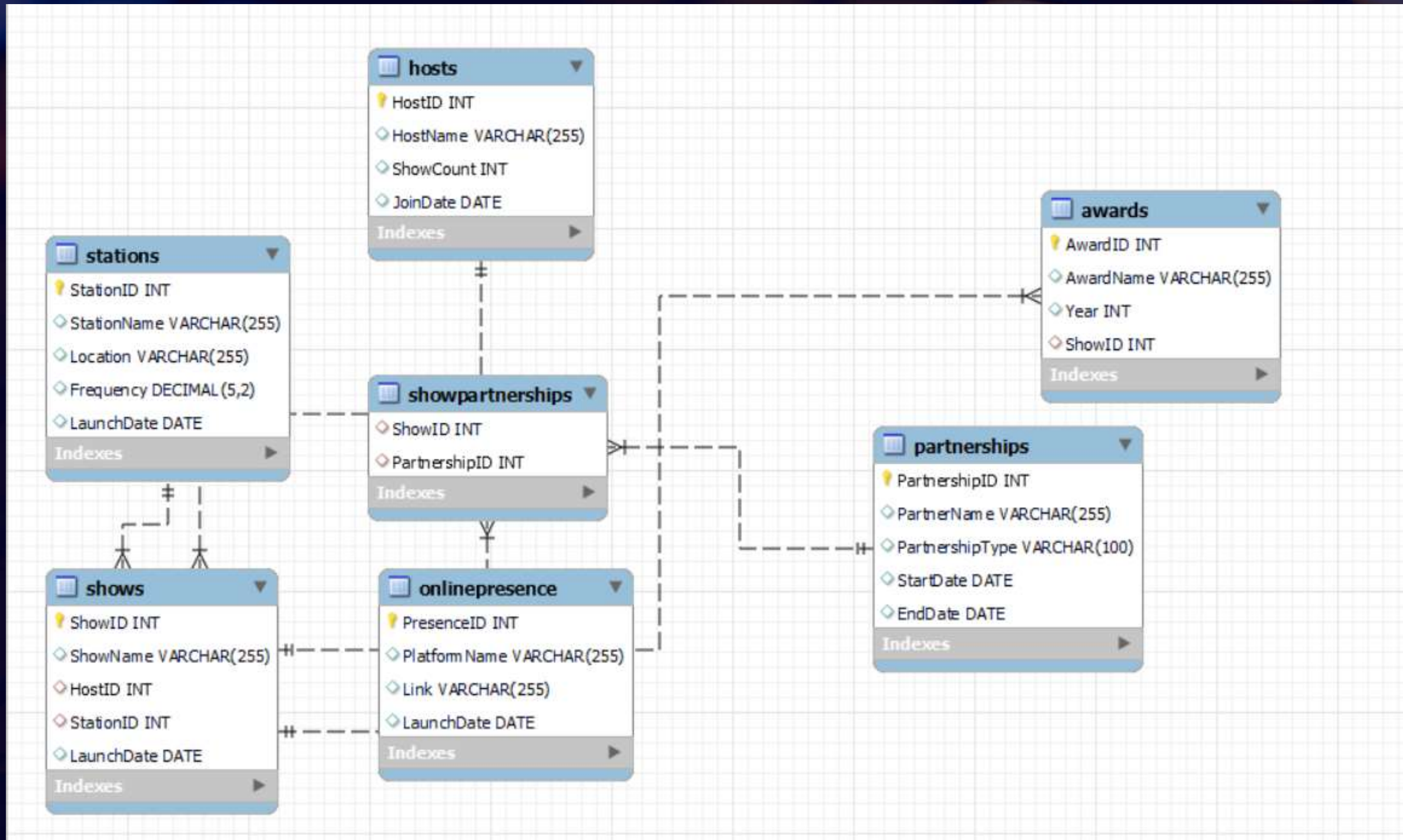
SQL Analysis



Table

1. Stations
2. Hosts
3. Shows
4. Partnerships
5. ShowPartnerships
6. Awards
7. OnlinePresence

ERD Diagram



Queries

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

```
SELECT
    StationID, StationName, Location, Frequency, LaunchDate
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 |
| ● | NULL | NULL | NULL | NULL | NULL |

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

```
SELECT
    s.ShowID, h.HostName, s.ShowName
FROM
    shows s
    JOIN
    hosts h ON s.HostID = h.HostID
WHERE
    HostName = 'Vrajesh Hirjee';
```

| | ShowID | HostName | ShowName |
|---|--------|----------------|--------------------------------------|
| ► | 5 | Vrajesh Hirjee | 21 Din Wellness In with Sunil Shetty |

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

```
SELECT
    s.ShowID, s.ShowName, COUNT(AwardID) AS Num_of_awards
FROM
    Awards a
    JOIN
    shows s ON a.ShowID = s.ShowID
GROUP BY ShowName , ShowID;
```

| | 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 ... | 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"?

```
SELECT
    s.ShowID, s.ShowName, p.partnername
FROM
    shows s
    JOIN
    showpartnerships sp ON s.ShowID = sp.ShowID
    JOIN
    partnerships p ON p.partnershipID = sp.partnershipID
WHERE
    partnerName = 'spotify';
```

| | ShowID | ShowName | partnername |
|---|--------|--------------------------------|-------------|
| ▶ | 1 | Suhaana Safar with Annu Kapoor | Spotify |

5. Retrieve hosts who joined before 2010?



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

| | HostID | 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 |
| | NULL | NULL | NULL |

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

```
SELECT
    ShowID, ShowName, LaunchDate
FROM
    shows
ORDER BY LaunchDate DESC;
```

| | 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 |

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

```
SELECT
    HostID, HostName, SUM>ShowCount) AS Total_shows
FROM
    Hosts
GROUP BY HostID , HostName;
```

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

8. Show the online presence platforms with their links?

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

| | PresenceID | 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 |
| ● | NULL | NULL | NULL |

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

```
SELECT
    StationID, StationName, Location, Frequency, LaunchDate
FROM
    stations
WHERE
    Location = 'South'
    AND YEAR(LaunchDate) > 2010;
```

| | StationID | StationName | Location | Frequency | LaunchDate |
|---|-----------|-------------|----------|-----------|------------|
| • | NULL | NULL | NULL | NULL | NULL |

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

```
SELECT hostID, hostname, showcount,  
       RANK() OVER (ORDER BY showcount DESC) AS show_rank  
FROM hosts  
ORDER BY showcount DESC;
```

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



Thank You!