

# INDIA GENERAL ELECTIONS RESULT ANALYSIS 2024

## Project Description:

The India General Elections Result Analysis 2024 project aims to provide detailed insights into the election results using SQL and SSMS. By analysing the results at the state and constituency levels, the project offers comprehensive insights into seat allocation, voting patterns, and party performance. It involves querying, transforming, and analysing election data stored in relational databases to answer critical questions related to alliances, winning margins, and voting methods.

The primary objective is to empower stakeholders, including political analysts, policymakers, and citizens, with data-driven insights into the electoral outcomes of 2024.

## Problem Statement:

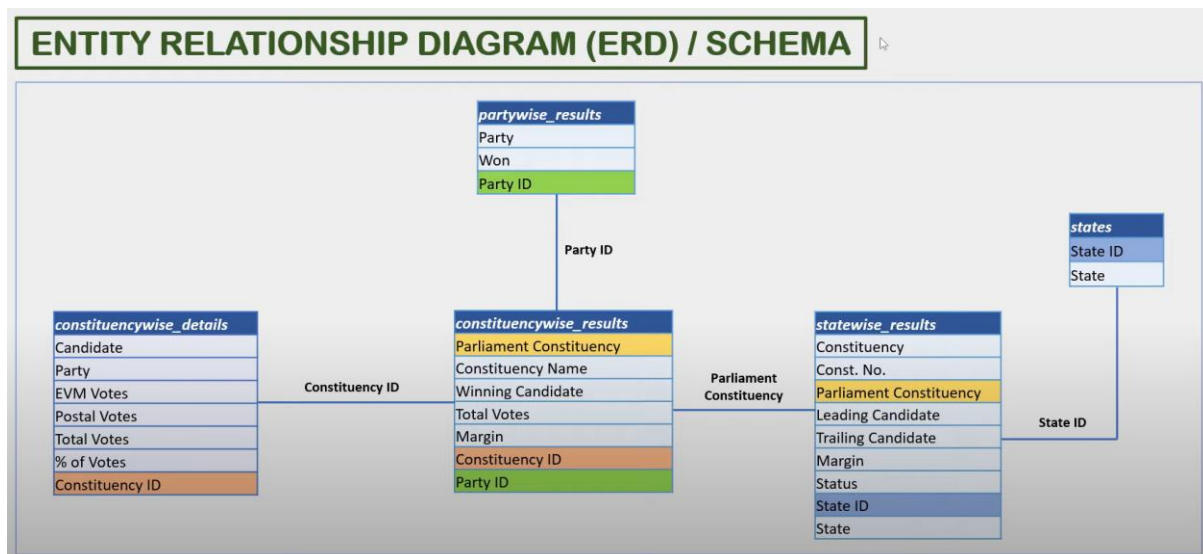
1. Total Seats
2. What is the total number of seats available for elections in each state
3. Total Seats Won by NDA Allianz
4. Seats Won by NDA Allianz Parties
5. Total Seats Won by I.N.D.I.A. Allianz
6. Seats Won by I.N.D.I.A. Allianz Parties
7. Add new column field in table partywise\_results to get the Party Allianz as NDA, I.N.D.I.A and OTHER
8. Which party alliance (NDA, I.N.D.I.A, or OTHER) won the most seats across all states?
9. Winning candidate's name, their party name, total votes, and the margin of victory for a specific state and constituency?
10. What is the distribution of EVM votes versus postal votes for candidates in a specific constituency?
11. Which parties won the most seats in s State, and how many seats did each party win?
12. What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024
13. Which candidate received the highest number of EVM votes in each constituency (Top 10)?
14. Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?
15. For the state of Maharashtra, what are the total number of seats, total number of candidates, total number of parties, total votes (including EVM and postal), and the breakdown of EVM and postal votes?

## Features:

1. Total Seat Analysis:
  - a. Queries determine the total number of seats available for elections at the national and state levels.
2. Party and Alliance Performance:
  - a. Identification of seats won by NDA, I.N.D.I.A, and OTHER alliances.
  - b. Breakdown of party-wise seats won under each alliance.
3. Winning Candidate Insights:
  - a. Fetches the names, party affiliations, total votes, and victory margins of winning candidates at the state and constituency levels.

4. Vote Distribution:
  - a. Analyses the distribution of EVM votes versus postal votes for specific constituencies.
5. State-Wise Party Analysis:
  - a. Identifies which parties won the most seats in each state and provides a detailed count.
6. Candidate Rankings:
  - a. Lists the candidates with the highest EVM votes across all constituencies, ranking the top 10.
7. State-Specific Breakdown:
  - a. For Maharashtra, calculates the total seats, candidates, parties, and total votes with a breakdown of EVM and postal votes.
8. Alliance Comparisons:
  - a. Determines which alliance won the most seats nationally and provides state-wise breakdowns.
9. Custom Column Addition:
  - a. Adds a new column in the database to classify party alliances dynamically as NDA, I.N.D.I.A, or OTHER.

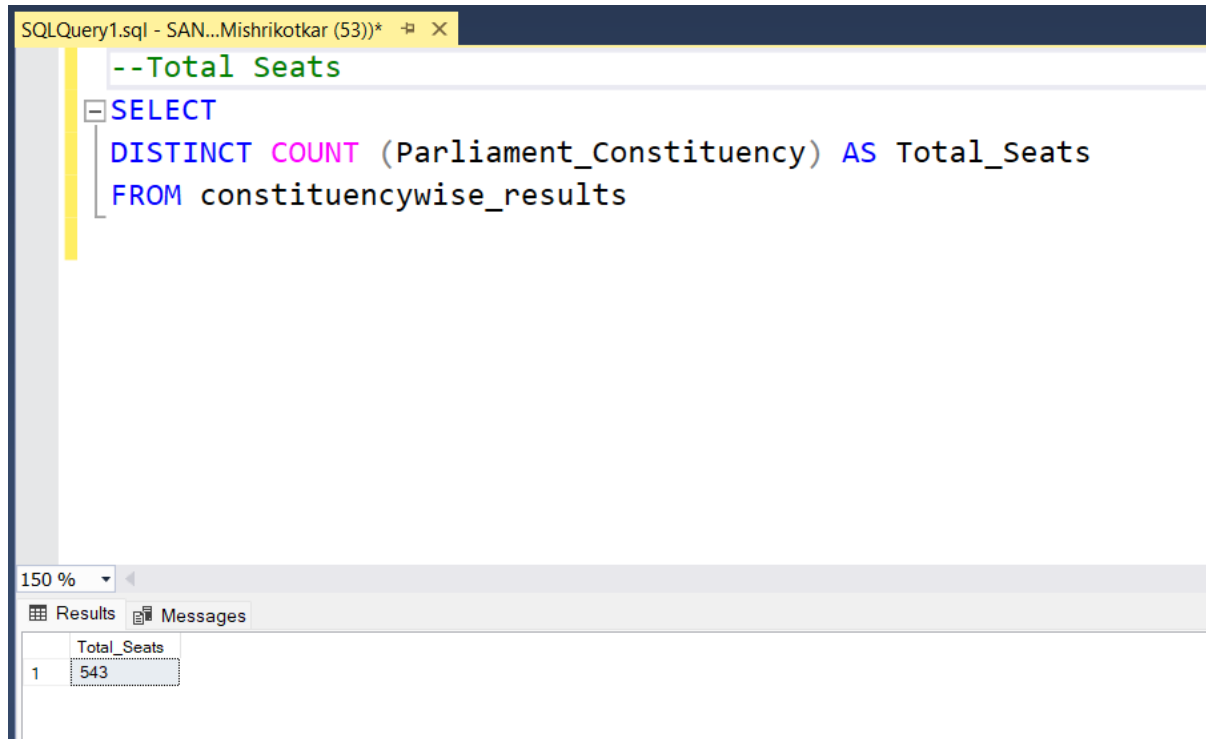
## ER Diagram:



## Total Seats

### Query:

```
SELECT  
  
DISTINCT COUNT (Parliament_Constituency) AS Total_Seats  
  
FROM constituencywise_results
```



The screenshot shows a SQL query editor window titled "SQLQuery1.sql - SAN...Mishrikotkar (53))". The query is as follows:

```
--Total Seats  
SELECT  
DISTINCT COUNT (Parliament_Constituency) AS Total_Seats  
FROM constituencywise_results
```

Below the query editor, the "Results" tab is active, displaying a single row of data:

	Total_Seats
1	543

## What is the total number of seats available for elections in each state

### Query:

```
SELECT  
  
    s.State AS State_Name,  
    COUNT(cr.Constituency_ID) AS Total_Seats_Available  
FROM  
    constituencywise_results cr  
JOIN  
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency  
JOIN  
    states s ON sr.State_ID = s.State_ID  
GROUP BY  
    s.State
```

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ORDER BY  
s.State;

The screenshot shows a SQL query window titled 'SQLQuery1.sql - SAN...Mishrikotkar (53))' with the following query:

```
SELECT
    s.State AS State_Name,
    COUNT(cr.Constituency_ID) AS Total_Seats_Available
FROM
    constituencywise_results cr
JOIN
    statewide_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
GROUP BY
    s.State
ORDER BY
    s.State;
```

Below the query window, the 'Results' tab is active, displaying a table with 20 rows and 2 columns: 'State\_Name' and 'Total\_Seats\_Available'.

	State_Name	Total_Seats_Available
1	Andaman & Nicobar Islands	1
2	Andhra Pradesh	25
3	Arunachal Pradesh	2
4	Assam	14
5	Bihar	40
6	Chandigarh	1
7	Chhattisgarh	11
8	Dadra & Nagar Haveli and Daman & Diu	2
9	Delhi	7
10	Goa	2
11	Gujarat	26
12	Haryana	10
13	Himachal Pradesh	4
14	Jammu and Kashmir	5
15	Jharkhand	14
16	Karnataka	28
17	Kerala	20
18	Ladakh	1
19	Lakshadweep	1
20	Madhya Pradesh	29

At the bottom, a status bar indicates 'Query executed successfully.' and the user 'SANKET\SQLEXPRES' is logged in.

## Total Seats Won by NDA Allianz

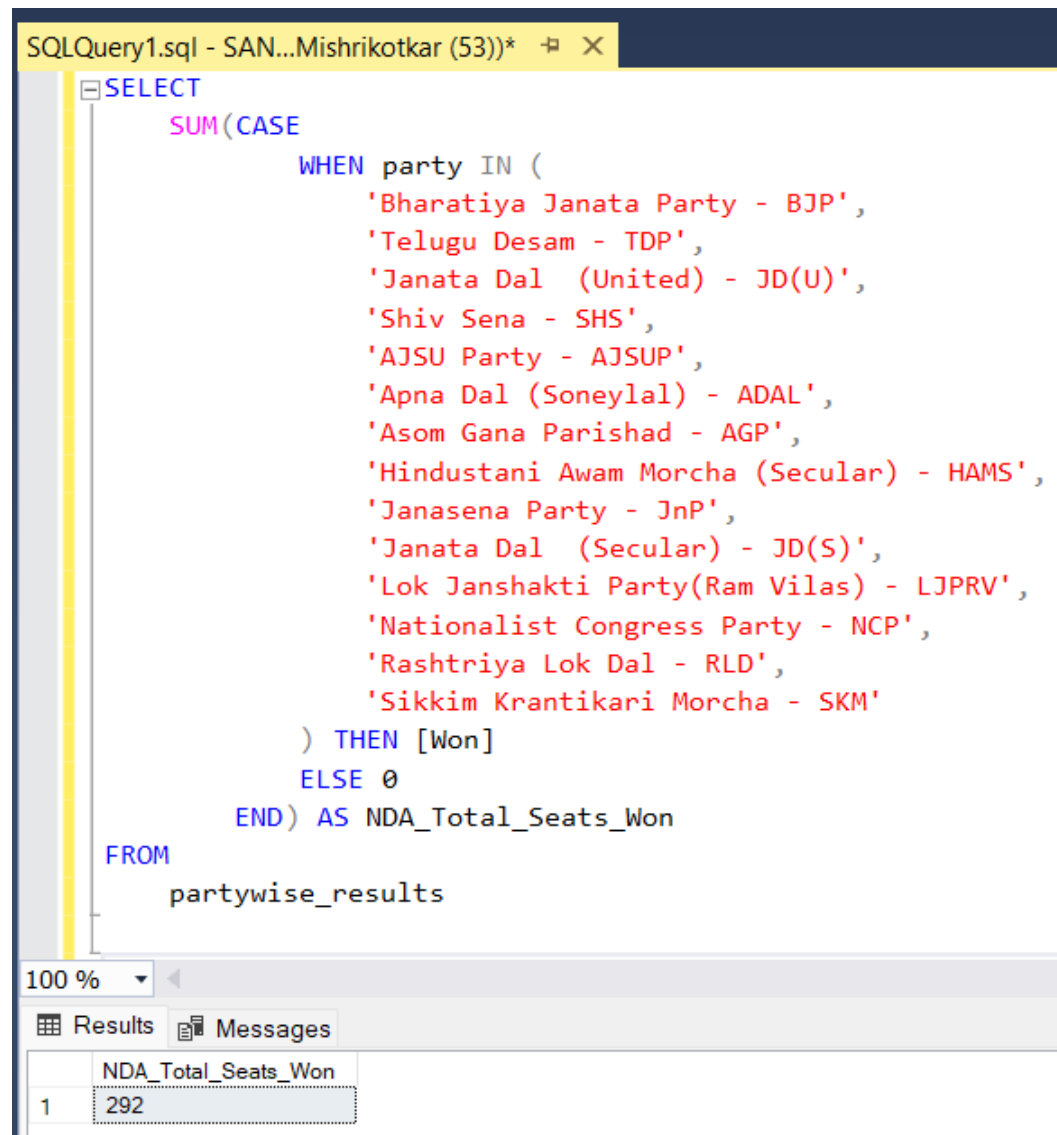
Query:

```
SELECT
    SUM(CASE
        WHEN party IN (
            'Bharatiya Janata Party - BJP',
            'Telugu Desam - TDP',
            'Janata Dal (United) - JD(U)',
```

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```
'Shiv Sena - SHS',
'AJSU Party - AJSUP',
'Apna Dal (Soneylal) - ADAL',
'Asom Gana Parishad - AGP',
'Hindustani Awam Morcha (Secular) - HAMS',
'Janasena Party - JnP',
'Janata Dal (Secular) - JD(S)',
'Lok Janshakti Party(Ram Vilas) - LJPRV',
'Nationalist Congress Party - NCP',
'Rashtriya Lok Dal - RLD',
'Sikkim Krantikari Morcha - SKM'
) THEN [Won]
ELSE 0
END) AS NDA_Total_Seats_Won
FROM
partywise_results
```



```
SQLQuery1.sql - SAN...Mishrikotkar (53)* X
SELECT
    SUM(CASE
        WHEN party IN (
            'Bharatiya Janata Party - BJP',
            'Telugu Desam - TDP',
            'Janata Dal (United) - JD(U)',
            'Shiv Sena - SHS',
            'AJSU Party - AJSUP',
            'Apna Dal (Soneylal) - ADAL',
            'Asom Gana Parishad - AGP',
            'Hindustani Awam Morcha (Secular) - HAMS',
            'Janasena Party - JnP',
            'Janata Dal (Secular) - JD(S)',
            'Lok Janshakti Party(Ram Vilas) - LJPRV',
            'Nationalist Congress Party - NCP',
            'Rashtriya Lok Dal - RLD',
            'Sikkim Krantikari Morcha - SKM'
        ) THEN [Won]
        ELSE 0
    END) AS NDA_Total_Seats_Won
FROM
    partywise_results
```

100 %

Results Messages

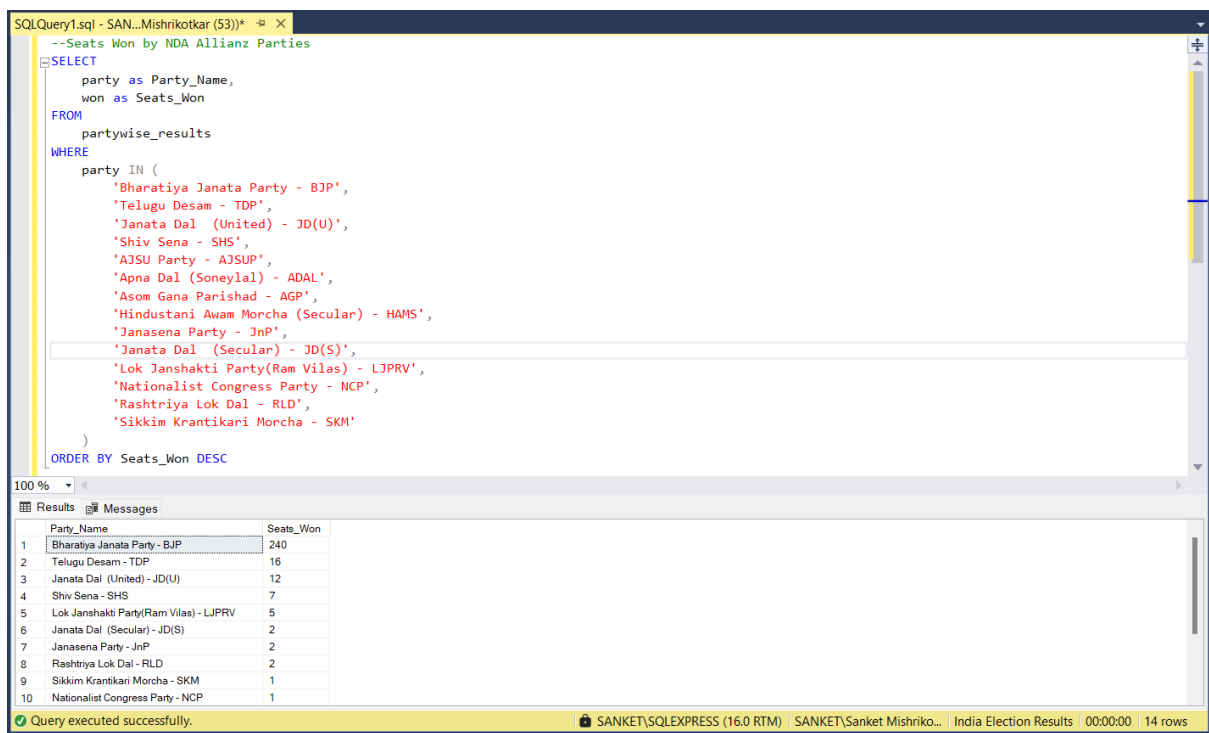
	NDA_Total_Seats_Won
1	292

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## Seats Won by NDA Allianz Parties

### Query:

```
SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    partywise_results
WHERE
    party IN (
        'Bharatiya Janata Party - BJP',
        'Telugu Desam - TDP',
        'Janata Dal (United) - JD(U)',
        'Shiv Sena - SHS',
        'AJSU Party - AJSUP',
        'Apna Dal (Soneylal) - ADAL',
        'Asom Gana Parishad - AGP',
        'Hindustani Awam Morcha (Secular) - HAMS',
        'Janasena Party - JnP',
        'Janata Dal (Secular) - JD(S)',
        'Lok Janshakti Party(Ram Vilas) - LJPRV',
        'Nationalist Congress Party - NCP',
        'Rashtriya Lok Dal - RLD',
        'Sikkim Krantikari Morcha - SKM'
    )
ORDER BY Seats_Won DESC
```



The screenshot shows a SQL query window with the following text:

```
--Seats Won by NDA Allianz Parties
SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    partywise_results
WHERE
    party IN (
        'Bharatiya Janata Party - BJP',
        'Telugu Desam - TDP',
        'Janata Dal (United) - JD(U)',
        'Shiv Sena - SHS',
        'AJSU Party - AJSUP',
        'Apna Dal (Soneylal) - ADAL',
        'Asom Gana Parishad - AGP',
        'Hindustani Awam Morcha (Secular) - HAMS',
        'Janasena Party - JnP',
        'Janata Dal (Secular) - JD(S)',
        'Lok Janshakti Party(Ram Vilas) - LJPRV',
        'Nationalist Congress Party - NCP',
        'Rashtriya Lok Dal - RLD',
        'Sikkim Krantikari Morcha - SKM'
    )
ORDER BY Seats_Won DESC
```

The results pane shows the following data:

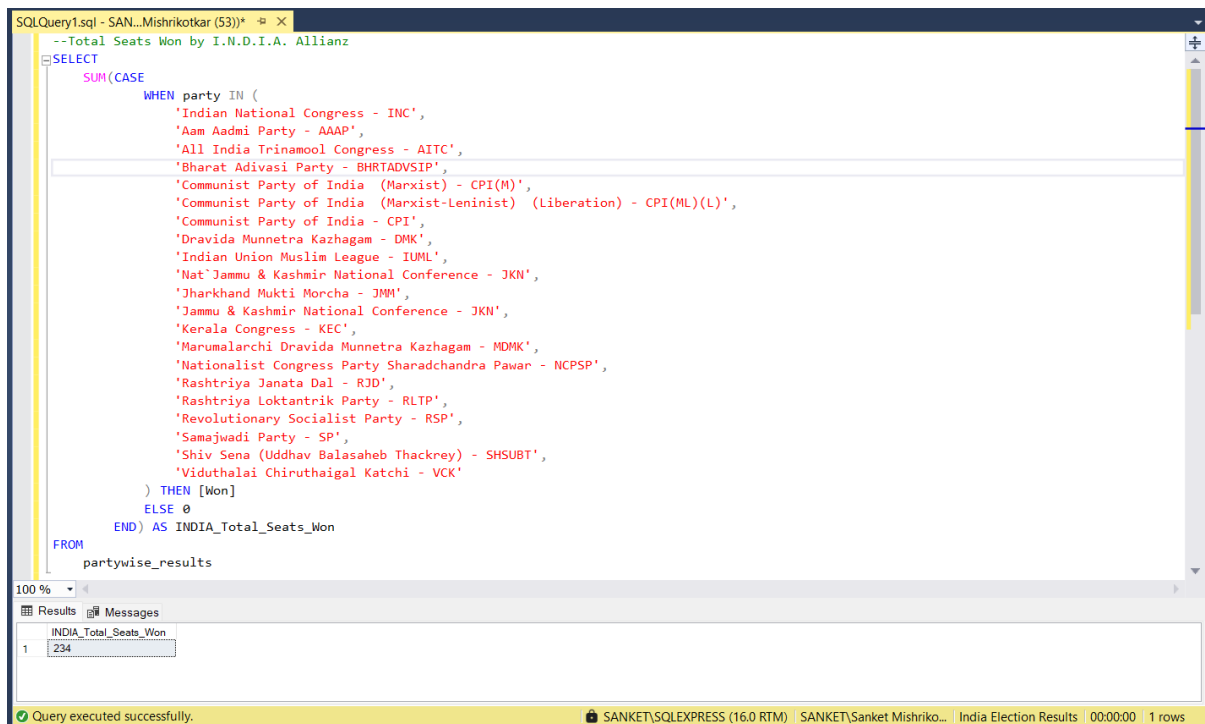
Party_Name	Seats_Won
Bharatiya Janata Party - BJP	240
Telugu Desam - TDP	16
Janata Dal (United) - JD(U)	12
Shiv Sena - SHS	7
Lok Janshakti Party(Ram Vilas) - LJPRV	5
Janata Dal (Secular) - JD(S)	2
Janasena Party - JnP	2
Rashtriya Lok Dal - RLD	2
Sikkim Krantikari Morcha - SKM	1
Nationalist Congress Party - NCP	1

Query executed successfully. SANKET\SQLXEXPRESS (16.0 RTM) SANKET\Sanket Mishriko... India Election Results 00:00:00 14 rows

## Total Seats Won by I.N.D.I.A. Allianz

Query:

```
SELECT
SUM(CASE
    WHEN party IN (
        'Indian National Congress - INC', 'Aam Aadmi Party - AAP',
        'All India Trinamool Congress - AITC', 'Bharat Adivasi Party - BHRTADVSIP',
        'Communist Party of India (Marxist) - CPI(M)',
        'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',
        'Communist Party of India - CPI',
        'Dravida Munnetra Kazhagam - DMK', 'Indian Union Muslim League - IUML',
        'Nat`Jammu & Kashmir National Conference - JKN', 'Jharkhand Mukti Morcha - JMM',
        'Jammu & Kashmir National Conference - JKN', 'Kerala Congress - KEC',
        'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
        'Nationalist Congress Party Sharadchandra Pawar - NCPSP', 'Rashtriya Janata Dal - RJD',
        'Rashtriya Loktantrik Party - RLTP', 'Revolutionary Socialist Party - RSP',
        'Samajwadi Party - SP',
        'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
        'Viduthalai Chiruthaigal Katchi - VCK'
    ) THEN [Won]
    ELSE 0
END) AS INDIA_Total_Seats_Won
FROM
partywise_results;
```



The screenshot shows a SQL query window with the following content:

```
--Total Seats Won by I.N.D.I.A. Allianz
SELECT
SUM(CASE
    WHEN party IN (
        'Indian National Congress - INC',
        'Aam Aadmi Party - AAP',
        'All India Trinamool Congress - AITC',
        'Bharat Adivasi Party - BHRTADVSIP',
        'Communist Party of India (Marxist) - CPI(M)',
        'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',
        'Communist Party of India - CPI',
        'Dravida Munnetra Kazhagam - DMK',
        'Indian Union Muslim League - IUML',
        'Nat`Jammu & Kashmir National Conference - JKN',
        'Jharkhand Mukti Morcha - JMM',
        'Jammu & Kashmir National Conference - JKN',
        'Kerala Congress - KEC',
        'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
        'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
        'Rashtriya Janata Dal - RJD',
        'Rashtriya Loktantrik Party - RLTP',
        'Revolutionary Socialist Party - RSP',
        'Samajwadi Party - SP',
        'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
        'Viduthalai Chiruthaigal Katchi - VCK'
    ) THEN [Won]
    ELSE 0
END) AS INDIA_Total_Seats_Won
FROM
partywise_results
```

The results pane shows a single row with the value 234.

INDIA_Total_Seats_Won
234

Query executed successfully. SANKET\SQLXPRESS (16.0 RTM) | SANKET\Sanket Mishriko... | India Election Results | 00:00:00 | 1 rows

## Seats Won by I.N.D.I.A. Allianz Parties

### Query:

```
SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    partywise_results
WHERE
    party IN (
        'Indian National Congress - INC',
        'Aam Aadmi Party - AAP',
        'All India Trinamool Congress - AITC',
        'Bharat Adivasi Party - BHRTADVSIP',
        'Communist Party of India (Marxist) - CPI(M)',
        'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',
        'Communist Party of India - CPI',
        'Dravida Munnetra Kazhagam - DMK',
        'Indian Union Muslim League - IUML',
        'Nat`Jammu & Kashmir National Conference - JKN',
        'Jharkhand Mukti Morcha - JMM',
        'Jammu & Kashmir National Conference - JKN',
        'Kerala Congress - KEC',
        'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
        'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
        'Rashtriya Janata Dal - RJD',
        'Rashtriya Loktantrik Party - RLTP',
        'Revolutionary Socialist Party - RSP',
        'Samajwadi Party - SP',
        'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
        'Viduthalai Chiruthaigal Katchi - VCK'
    )
ORDER BY Seats_Won DESC
```

Results		Messages
	Party_Name	Seats_Won
1	Indian National Congress - INC	99
2	Samajwadi Party - SP	37
3	All India Trinamool Congress - AITC	29
4	Dravida Munnetra Kazhagam - D...	22
5	Shiv Sena (Uddhav Balasaheb Th...	9
6	Nationalist Congress Party Shara...	8
7	Rashtriya Janata Dal - RJD	4
8	Communist Party of India (Marxis...	4
9	Aam Aadmi Party - AAP	3
10	Indian Union Muslim League - IU...	3
11	Jharkhand Mukti Morcha - JMM	3
12	Jammu & Kashmir National Conf...	2
13	Communist Party of India - CPI	2
14	Communist Party of India (Marxis...	2
15	Viduthalai Chiruthaigal Katchi - VCK	2
16	Rashtriya Loktantrik Party - RLTP	1
17	Revolutionary Socialist Party - RSP	1
18	Bharat Adivasi Party - BHRTADVSIP	1
19	Kerala Congress - KEC	1
20	Marumalarchi Dravida Munnetra ...	1

Query executed successfully.

SANKET\SQLEXPRESS (16.0 RTM) | SANKET\Sanket Mishriko... | India Election Results | 00:00:00 | 20 rows



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Add new column field in table partywise\_results to get the Party Allianz as NDA, I.N.D.I.A and OTHER

### Queries:

```
ALTER TABLE partywise_results  
ADD party_alliance VARCHAR(50);
```

--I.N.D.I.A Allianz

```
UPDATE partywise_results  
SET party_alliance = 'I.N.D.I.A'  
WHERE party IN (  
    'Indian National Congress - INC',  
    'Aam Aadmi Party - AAP',  
    'All India Trinamool Congress - AITC',  
    'Bharat Adivasi Party - BHRTADVSIP',  
    'Communist Party of India (Marxist) - CPI(M)',  
    'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',  
    'Communist Party of India - CPI',  
    'Dravida Munnetra Kazhagam - DMK',  
    'Indian Union Muslim League - IUML',  
    'Jammu & Kashmir National Conference - JKN',  
    'Jharkhand Mukti Morcha - JMM',  
    'Kerala Congress - KEC',  
    'Marumalarchi Dravida Munnetra Kazhagam - MDMK',  
    'Nationalist Congress Party Sharadchandra Pawar - NCPSP',  
    'Rashtriya Janata Dal - RJD',  
    'Rashtriya Loktantrik Party - RLTP',  
    'Revolutionary Socialist Party - RSP',  
    'Samajwadi Party - SP',  
    'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',  
    'Viduthalai Chiruthaigal Katchi - VCK'  
);
```

--NDA Allianz

```
UPDATE partywise_results  
SET party_alliance = 'NDA'  
WHERE party IN (  
    'Bharatiya Janata Party - BJP',  
    'Telugu Desam - TDP',  
    'Janata Dal (United) - JD(U)',  
    'Shiv Sena - SHS',  
    'AJSU Party - AJSUP',  
    'Apna Dal (Soneylal) - ADAL',  
    'Asom Gana Parishad - AGP',  
    'Hindustani Awam Morcha (Secular) - HAMS',
```

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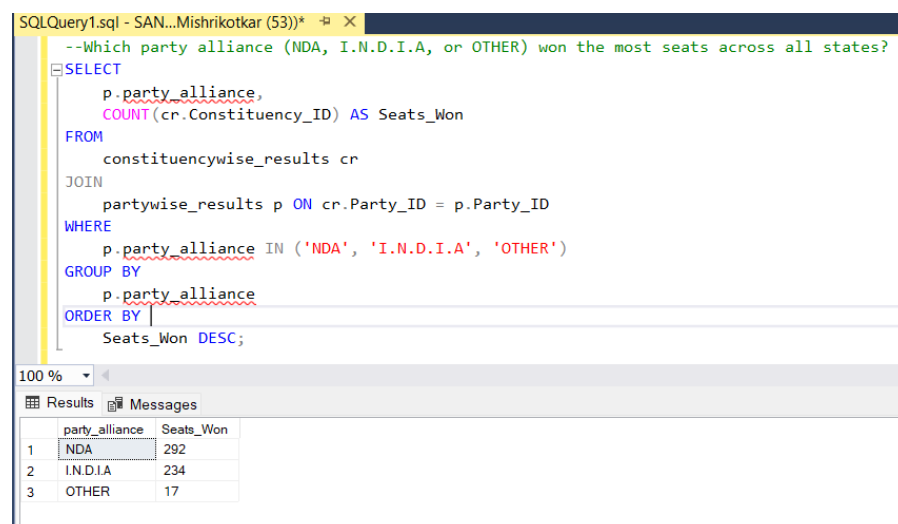
```
'Janasena Party - JnP',  
'Janata Dal (Secular) - JD(S)',  
'Lok Janshakti Party(Ram Vilas) - LJPRV',  
'Nationalist Congress Party - NCP',  
'Rashtriya Lok Dal - RLD',  
'Sikkim Krantikari Morcha - SKM'  
);
```

```
--OTHER  
UPDATE partywise_results  
SET party_alliance = 'OTHER'  
WHERE party_alliance IS NULL;
```

Which party alliance (NDA, I.N.D.I.A, or OTHER) won the most seats across all states?

Query:

```
SELECT  
    p.party_alliance,  
    COUNT(cr.Constituency_ID) AS Seats_Won  
FROM  
    constituencywise_results cr  
JOIN  
    partywise_results p ON cr.Party_ID = p.Party_ID  
WHERE  
    p.party_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER')  
GROUP BY  
    p.party_alliance  
ORDER BY  
    Seats_Won DESC;
```



The screenshot shows a SQL query editor with a query window and a results window. The query window contains the following SQL code:

```
--Which party alliance (NDA, I.N.D.I.A, or OTHER) won the most seats across all states?  
SELECT  
    p.party_alliance,  
    COUNT(cr.Constituency_ID) AS Seats_Won  
FROM  
    constituencywise_results cr  
JOIN  
    partywise_results p ON cr.Party_ID = p.Party_ID  
WHERE  
    p.party_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER')  
GROUP BY  
    p.party_alliance  
ORDER BY  
    Seats_Won DESC;
```

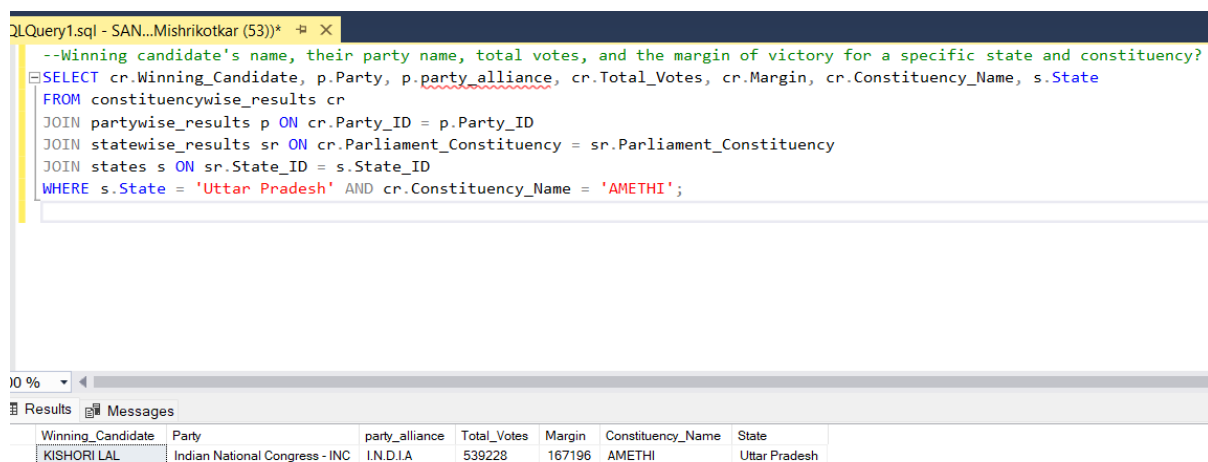
The results window shows the following table:

	party_alliance	Seats_Won
1	NDA	292
2	I.N.D.I.A	234
3	OTHER	17

Winning candidate's name, their party name, total votes, and the margin of victory for a specific state and constituency?

Query:

```
SELECT cr.Winning_Candidate, p.Party, p.party_alliance, cr.Total_Votes, cr.Margin,
cr.Constituency_Name, s.State
FROM constituencywise_results cr
JOIN partywise_results p ON cr.Party_ID = p.Party_ID
JOIN statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN states s ON sr.State_ID = s.State_ID
WHERE s.State = 'Uttar Pradesh' AND cr.Constituency_Name = 'AMETHI';
```



The screenshot shows a SQL query editor window titled "Query1.sql - SAN...Mishrikotkar (53)". The query is the same as the one above. Below the query editor, there is a "Results" tab showing a single row of data. The columns are: Winning\_Candidate, Party, party\_alliance, Total\_Votes, Margin, Constituency\_Name, and State. The values are: KISHORI LAL, Indian National Congress - INC, I.N.D.I.A, 539228, 167196, AMETHI, and Uttar Pradesh.

Winning_Candidate	Party	party_alliance	Total_Votes	Margin	Constituency_Name	State
KISHORI LAL	Indian National Congress - INC	I.N.D.I.A	539228	167196	AMETHI	Uttar Pradesh

What is the distribution of EVM votes versus postal votes for candidates in a specific constituency?

Query:

```
SELECT
    cd.Candidate,
    cd.Party,
    cd.EVM_Votes,
    cd.Postal_Votes,
    cd.Total_Votes,
    cr.Constituency_Name
FROM
    constituencywise_details cd
JOIN
```

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```
constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE
cr.Constituency_Name = 'MATHURA'
ORDER BY cd.Total_Votes DESC;
```

SQLQuery1.sql - SAN...Mishrikotkar (53))\* ✖

--What is the distribution of EVM votes versus postal votes for candidates in a specific constituency?

```
SELECT
    cd.Candidate,
    cd.Party,
    cd.EVM_Votes,
    cd.Postal_Votes,
    cd.Total_Votes,
    cr.Constituency_Name
FROM
    constituencywise_details cd
JOIN
    constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE
    cr.Constituency_Name = 'MATHURA'
ORDER BY cd.Total_Votes DESC;
```

100 %

Results Messages

	Candidate	Party	EVM_Votes	Postal_Votes	Total_Votes	Constituency_Name
1	HEMAMALINI DHARMENDRA DEOL	Bharatiya Janata Party	507535	2529	510064	MATHURA
2	MUKESH DHANGAR	Indian National Congress	216043	614	216657	MATHURA
3	SURESH SINGH	Bahujan Samaj Party	188152	265	188417	MATHURA
4	BHANU PRATAP SINGH	Independent	15640	25	15665	MATHURA
5	NOTA	None of the Above	4527	36	4563	MATHURA
6	RAKESH KUMAR	Independent	4492	2	4494	MATHURA
7	JAGDISH PRASAD KAUSHIK ADVOCATE	Rashtriya Samta Vikas Party	3567	8	3575	MATHURA
8	RAVI VERMA	Independent	2724	0	2724	MATHURA
9	SHIKHA SHARMA	Independent	2246	5	2251	MATHURA
10	KAMAL KANT SHARMA	Independent	1491	12	1503	MATHURA
11	YOGESH KUMAR TALAN	Independent	1491	2	1493	MATHURA
12	MONI FALHARI BAPU	Independent	1322	4	1326	MATHURA
13	KSHETRA PAL SINGH	Independent	1206	5	1211	MATHURA
14	DR. RASHMI YADAV	Independent	1183	6	1189	MATHURA
15	PRAVESHANAND PURI	Independent	1081	4	1085	MATHURA
16	SURESH CHANDRA VAGHEL	Rashtriya Shoshit Samaj Party	822	7	829	MATHURA

Which parties won the most seats in s State, and how many seats did each party win?

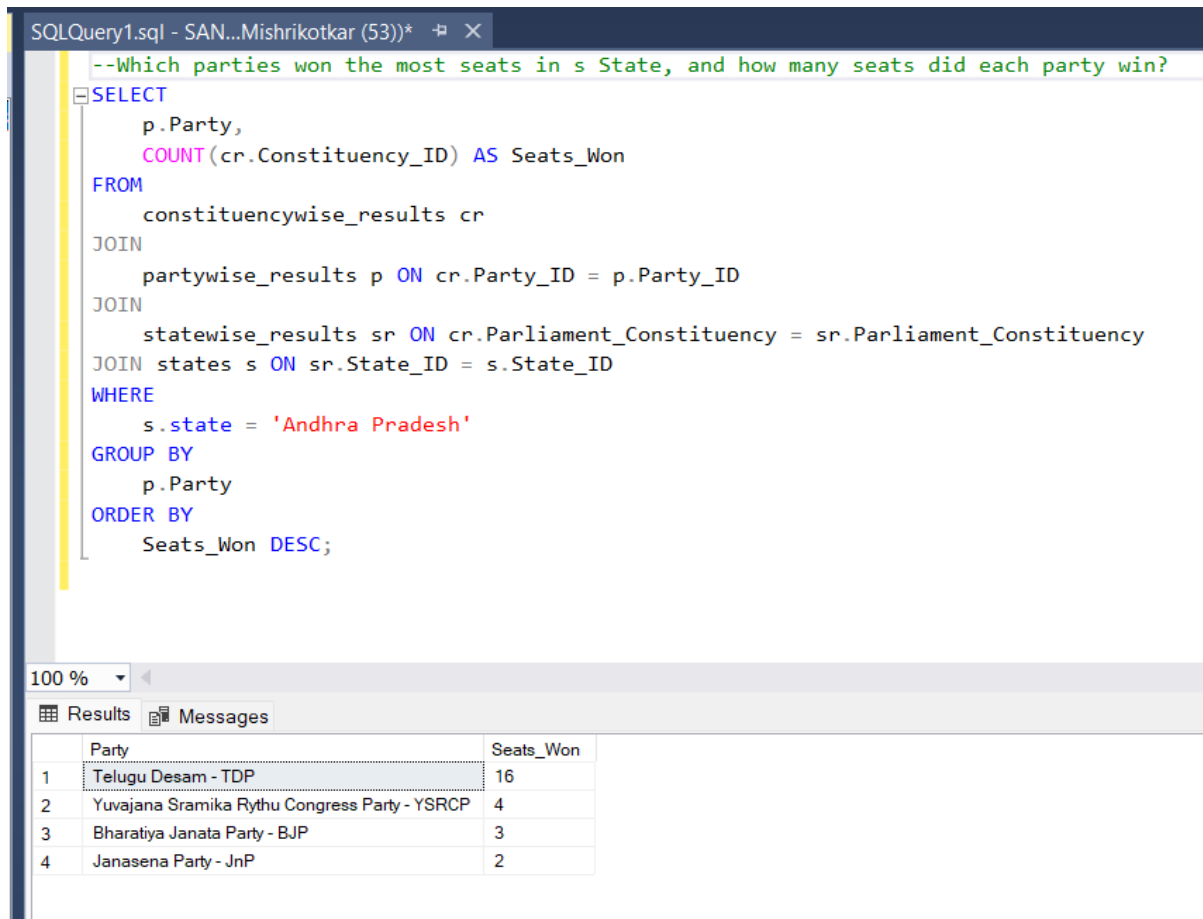
Query:

```
SELECT
    p.Party,
    COUNT(cr.Constituency_ID) AS Seats_Won
FROM
    constituencywise_results cr
JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN states s ON sr.State_ID = s.State_ID
```

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```
WHERE
    s.state = 'Andhra Pradesh'
GROUP BY
    p.Party
ORDER BY
    Seats_Won DESC;
```



SQLQuery1.sql - SAN...Mishrikotkar (53)\*

```
--Which parties won the most seats in s State, and how many seats did each party win?
SELECT
    p.Party,
    COUNT(cr.Constituency_ID) AS Seats_Won
FROM
    constituencywise_results cr
JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN states s ON sr.State_ID = s.State_ID
WHERE
    s.state = 'Andhra Pradesh'
GROUP BY
    p.Party
ORDER BY
    Seats_Won DESC;
```

100 %

Results Messages

	Party	Seats_Won
1	Telugu Desam - TDP	16
2	Yuvajana Sramika Rythu Congress Party - YSRCP	4
3	Bharatiya Janata Party - BJP	3
4	Janasena Party - JnP	2

What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024

### Query

```
SELECT
    s.State AS State_Name,
    SUM(CASE WHEN p.party_alliance = 'NDA' THEN 1 ELSE 0 END) AS NDA_Seats_Won,
    SUM(CASE WHEN p.party_alliance = 'I.N.D.I.A' THEN 1 ELSE 0 END) AS INDIA_Seats_Won,
    SUM(CASE WHEN p.party_alliance = 'OTHER' THEN 1 ELSE 0 END) AS OTHER_Seats_Won
FROM
    constituencywise_results cr
JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
```

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JOIN

statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

JOIN

states s ON sr.State\_ID = s.State\_ID

WHERE

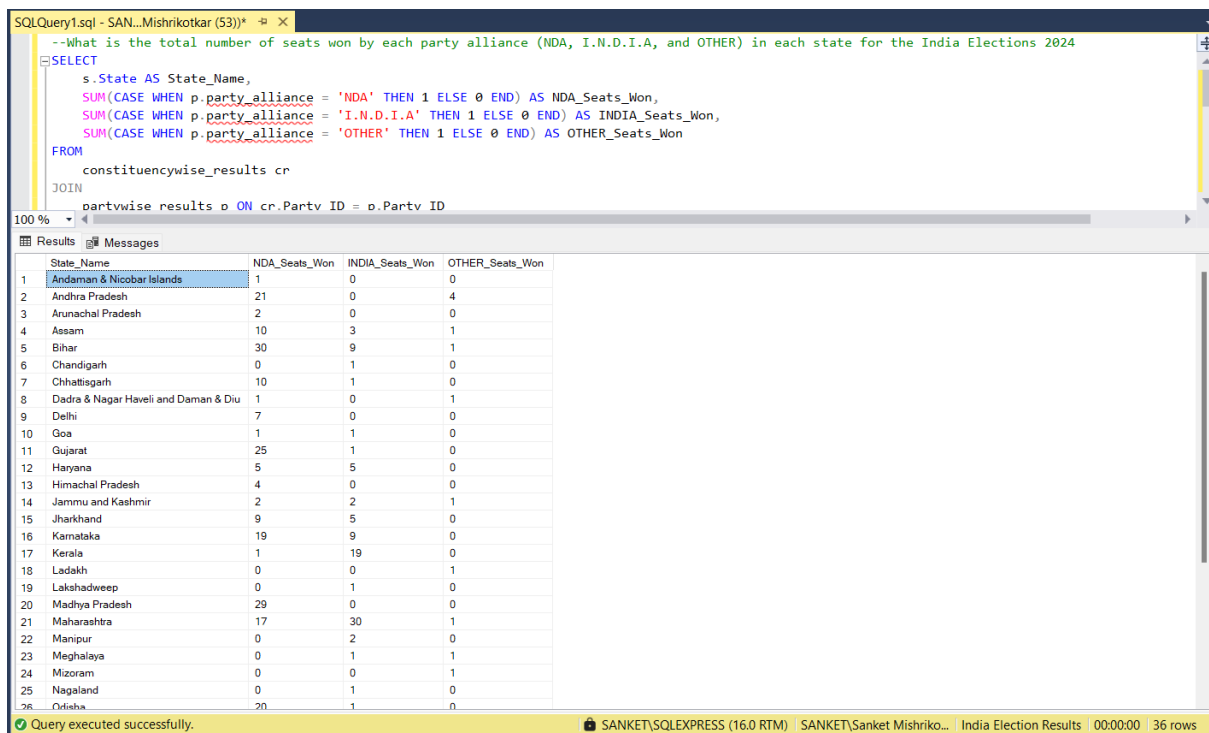
p.party\_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER') -- Filter for NDA and INDIA alliances

GROUP BY

s.State

ORDER BY

s.State;



The screenshot shows a SQL query window with the following text:

```
--What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024
SELECT
    s.State AS State_Name,
    SUM(CASE WHEN p.party_alliance = 'NDA' THEN 1 ELSE 0 END) AS NDA_Seats_Won,
    SUM(CASE WHEN p.party_alliance = 'I.N.D.I.A' THEN 1 ELSE 0 END) AS INDIA_Seats_Won,
    SUM(CASE WHEN p.party_alliance = 'OTHER' THEN 1 ELSE 0 END) AS OTHER_Seats_Won
FROM
    constituencywise_results cr
JOIN
    partwise_results p ON cr.Party_ID = p.Party_ID
```

Below the query, the results are displayed in a table with 4 columns: State\_Name, NDA\_Seats\_Won, INDIA\_Seats\_Won, and OTHER\_Seats\_Won. The table contains 26 rows, one for each state and union territory of India.

State_Name	NDA_Seats_Won	INDIA_Seats_Won	OTHER_Seats_Won
Andaman & Nicobar Islands	1	0	0
Andhra Pradesh	21	0	4
Arunachal Pradesh	2	0	0
Assam	10	3	1
Bihar	30	9	1
Chandigarh	0	1	0
Chhattisgarh	10	1	0
Dadra & Nagar Haveli and Daman & Diu	1	0	1
Delhi	7	0	0
Goa	1	1	0
Gujarat	25	1	0
Haryana	5	5	0
Himachal Pradesh	4	0	0
Jammu and Kashmir	2	2	1
Jharkhand	9	5	0
Karnataka	19	9	0
Kerala	1	19	0
Ladakh	0	0	1
Lakshadweep	0	1	0
Madhya Pradesh	29	0	0
Maharashtra	17	30	1
Manipur	0	2	0
Meghalaya	0	1	1
Mizoram	0	0	1
Nagaland	0	1	0
Odisha	20	1	0

The status bar at the bottom indicates: Query executed successfully. SANKET\SQL EXPRESS (16.0 RTM) SANKET\Sanket Mishriko... India Election Results 00:00:00 36 rows

Which candidate received the highest number of EVM votes in each constituency (Top 10)?

SELECT TOP 10

cr.Constituency\_Name,

cd.Constituency\_ID,

cd.Candidate,

cd.EVM\_Votes

FROM

constituencywise\_details cd

JOIN

constituencywise\_results cr ON cd.Constituency\_ID = cr.Constituency\_ID

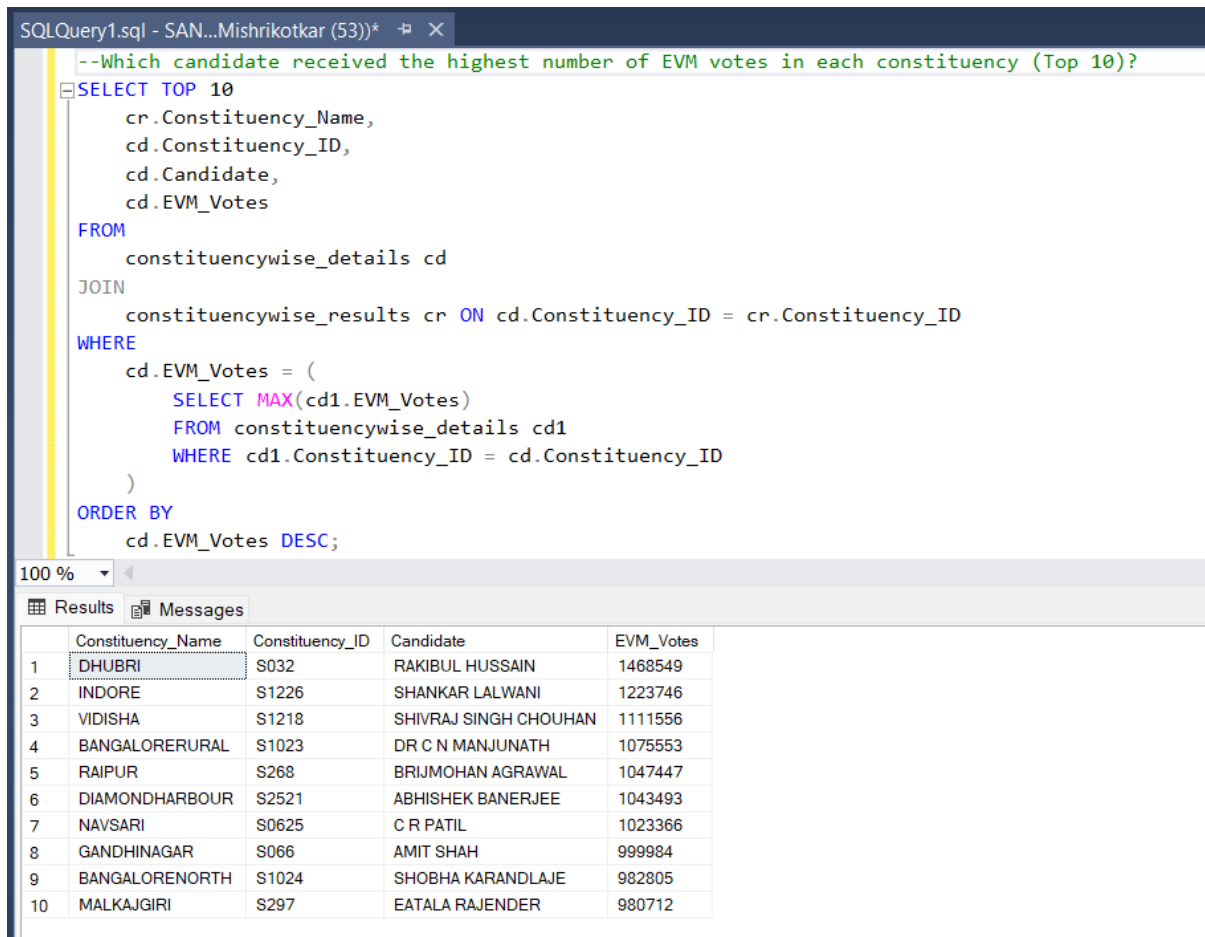
WHERE

cd.EVM\_Votes = (

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```
SELECT MAX(cd1.EVM_Votes)
FROM constituencywise_details cd1
WHERE cd1.Constituency_ID = cd.Constituency_ID
)
ORDER BY
cd.EVM_Votes DESC;
```



SQLQuery1.sql - SAN...Mishrikotkar (53)\*

--Which candidate received the highest number of EVM votes in each constituency (Top 10)?

```
SELECT TOP 10
    cr.Constituency_Name,
    cd.Constituency_ID,
    cd.Candidate,
    cd.EVM_Votes
FROM
    constituencywise_details cd
JOIN
    constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE
    cd.EVM_Votes = (
        SELECT MAX(cd1.EVM_Votes)
        FROM constituencywise_details cd1
        WHERE cd1.Constituency_ID = cd.Constituency_ID
    )
ORDER BY
    cd.EVM_Votes DESC;
```

100 %

Results Messages

	Constituency_Name	Constituency_ID	Candidate	EVM_Votes
1	DHUBRI	S032	RAKIBUL HUSSAIN	1468549
2	INDORE	S1226	SHANKAR LALWANI	1223746
3	VIDISHA	S1218	SHIVRAJ SINGH CHOUHAN	1111556
4	BANGALORERURAL	S1023	DR C N MANJUNATH	1075553
5	RAIPUR	S268	BRIJMOHAN AGRAWAL	1047447
6	DIAMONDHARBOUR	S2521	ABHISHEK BANERJEE	1043493
7	NAVSARI	S0625	C R PATIL	1023366
8	GANDHINAGAR	S066	AMIT SHAH	999984
9	BANGALORENORTH	S1024	SHOBHA KARANDLAJE	982805
10	MALKAJIGIRI	S297	EATALA RAJENDER	980712

Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?

```
WITH RankedCandidates AS (
    SELECT
        cd.Constituency_ID,
        cd.Candidate,
        cd.Party,
        cd.EVM_Votes,
        cd.Postal_Votes,
```

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```
cd.EVM_Votes + cd.Postal_Votes AS Total_Votes,
ROW_NUMBER() OVER (PARTITION BY cd.Constituency_ID ORDER BY cd.EVM_Votes +
cd.Postal_Votes DESC) AS VoteRank
FROM
    constituencywise_details cd
JOIN
    constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
WHERE
    s.State = 'Maharashtra'
)

SELECT
    cr.Constituency_Name,
    MAX(CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END) AS Winning_Candidate,
    MAX(CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END) AS Runnerup_Candidate
FROM
    RankedCandidates rc
JOIN
    constituencywise_results cr ON rc.Constituency_ID = cr.Constituency_ID
GROUP BY
    cr.Constituency_Name
ORDER BY
    cr.Constituency_Name;
```

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SQLQuery1.sql - SAN...Mishrikotkar (53))\*

```
WHERE
    s.State = 'Maharashtra'
)

SELECT
    cr.Constituency_Name,
    MAX(CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END) AS Winning_Candidate,
    MAX(CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END) AS Runnerup_Candidate
FROM
    RankedCandidates rc
JOIN
    constituencywise_results cr ON rc.Constituency_ID = cr.Constituency_ID
GROUP BY
    cr.Constituency_Name
ORDER BY
    cr.Constituency_Name;
```

100 %

Results Messages

	Constituency_Name	Winning_Candidate	Runnerup_Candidate
1	AHMEDNAGAR	NILESH DNYANDEV LANKE	DR. SUJAY RADHAKRISHNA VIKHEPATIL
2	AKOLA	ANUP SANJAY DHOTRE	ABHAY KASHINATH PATIL
3	AMRAVATI	BALWANT BASWANT WANKHADE	NAVNEET RAVI RANA
4	AURANGABAD	BHUMARE SANDIPANRAO ASARAM	IMTIAZ JALEEL SYED
5	BARAMATI	SUPRIYA SULE	SUNETRA AJITDADA PAWAR
6	BEED	BAJRANG MANOHAR SONWANE	PANKAJA GOPINATHRAO MUNDE
7	BHANDARAGONDIYA	DR. PRASHANT YADAORAO PADOLE	SUNIL BABURAO MENDHE
8	BHIWANDI	BALYA MAMA - SURESH GOPINATH MHATRE	KAPIL MORESHWAR PATIL
9	BULDHANA	JADHAV PRATAPRAO GANPATRAO	NARENDRA DAGDU KHEDEKAR
10	CHANDRAPUR	DHANORKAR PRATIBHA SURESH ALIAS BALUBHAU	MUNGANTIWAR SUDHIR SACCIDANAND
11	DHULE	BACHHAV SHOBHA DINESH	BHAMRE SUBHASH RAMRAO
12	DINDORI	BHASKAR MURLIDHAR BHAGARE	DR. BHARATI PRAVIN PAWAR
13	GADCHIROLI-CHIMUR	DR. KIRSAN NAMDEO	ASHOK MAHADEORAO NETE
14	HATKANANGALE	DHAIRYASHEEL SAMBHAJIRAO MANE	SATYAJEET BABASAHEB PATIL (AABA) SARUDKAR
15	HINGOLI	AASHTIKAR PATIL NAGESH BAPURAO	BABURAO KADAM KOHALIKAR
16	JALGAON	SMITA UDAY WAGH	KARAN BALASAHEB PATIL - PAWAR
17	JAI NAR	KAI YAN VALJINATHRAO KAI F	DANVE RAOSAHEB DADARAO

Query executed successfully. SANKET\SQLEXPRESS (16.0 RTM) | SAN

For the state of Maharashtra, what are the total number of seats, total number of candidates, total number of parties, total votes (including EVM and postal), and the breakdown of EVM and postal votes?

```
SELECT
    COUNT(DISTINCT cr.Constituency_ID) AS Total_Seats,
    COUNT(DISTINCT cd.Candidate) AS Total_Candidates,
    COUNT(DISTINCT p.Party) AS Total_Parties,
    SUM(cd.EVM_Votes + cd.Postal_Votes) AS Total_Votes,
    SUM(cd.EVM_Votes) AS Total_EVM_Votes,
    SUM(cd.Postal_Votes) AS Total_Postal_Votes
FROM
    constituencywise_results cr
JOIN
```

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```
constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
JOIN
statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
states s ON sr.State_ID = s.State_ID
JOIN
partywise_results p ON cr.Party_ID = p.Party_ID
WHERE
s.State = 'Maharashtra';
```

The screenshot shows a SQL query editor window titled "SQLQuery1.sql - SAN...Mishrikotkar (53)". The query is a SELECT statement with several aggregate functions and JOINs. The results pane at the bottom shows a single row of data for Maharashtra.

```
--For the state of Maharashtra, what are the total number of seats, total number of candidates,
SELECT
    COUNT(DISTINCT cr.Constituency_ID) AS Total_Seats,
    COUNT(DISTINCT cd.Candidate) AS Total_Candidates,
    COUNT(DISTINCT p.Party) AS Total_Parties,
    SUM(cd.EVM_Votes + cd.Postal_Votes) AS Total_Votes,
    SUM(cd.EVM_Votes) AS Total_EVM_Votes,
    SUM(cd.Postal_Votes) AS Total_Postal_Votes
FROM
    constituencywise_results cr
JOIN
    constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
JOIN
    partywise_results p ON cr.Party_ID = p.Party_ID
WHERE
    s.State = 'Maharashtra';
```

	Total_Seats	Total_Candidates	Total_Parties	Total_Votes	Total_EVM_Votes	Total_Postal_Votes
1	48	1114	7	57179133	56969710	209423

## Conclusion:

The *India General Elections Result Analysis 2024* project demonstrates the power of SQL and SSMS for data analysis. By leveraging complex queries and data transformations, the project provides valuable insights into election trends and outcomes. It helps identify winning strategies, voting behaviours, and alliance performances, enabling stakeholders to better understand the dynamics of the electoral process. The project's structured approach and rich analysis establish a scalable framework for future election data analysis.

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