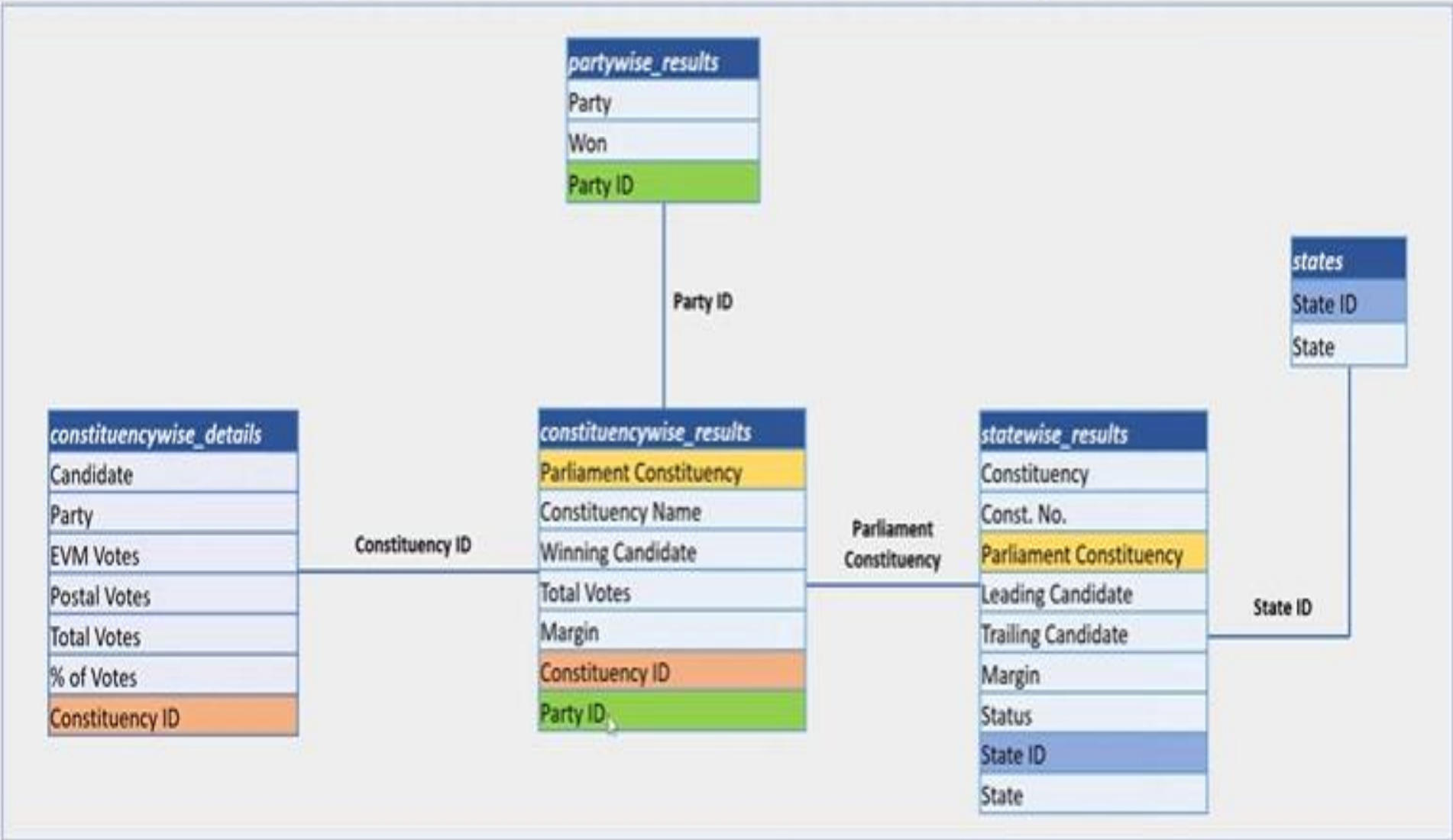# SQL PROJECT (QUERY DOCUMENT)

INDIA GENERAL ELECTION RESULT ANALYSIS 2024

PROBLEM STATEMENT:

1.Total Seats
2.What are the total number of seats available for election in each state
3.total seats won by NDA Alliance
4.Seats won by NDA Alliance Parties
5.Total Seats Won by I.N.D.I.A. Alliance
6.Seats Won by I.N.D.I.A. Alliance Parties
7.Add new column filed 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 candidates 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 Vs Postal votes for candidates in a specific constituency?
12.Which parties Won the most seats in a state, and how many seats did each party win?
13. 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
14. Which candidate received the highest number of EVM votes in each constituency (Top 10)?
15. Which candidate received the highest number of Postal votes in each constituency (Top 10)?
16. Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?
17. 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?

PROBLEM STATEMENTS

1. Total Seats:

```sql
select COUNT(Parliament_Constituency) As Total_Seats
from [India Elections Results].dbo.constituencywise_results;
```

	Total_Seats
1	543

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

```sql
-- short From I use
-- 1. constituency_results= (cr)
-- 2. constituency_details= (cd)
-- 3. partrywise_results = (pr)
-- 4. statewise_results = (sr)
-- 5. state =(s)

select
s.state as State_Name,
count(cr.Parliament_Constituency) as Total_Seats
from [India Elections Results].dbo.constituencywise_results cr
inner join [India Elections Results].dbo.statewise_results sr on
cr.Parliament_Constituency=sr.Parliament_Constituency
inner join [India Elections Results].dbo.states s on sr.State_id=s.State_id
group by s.state;
```

	State_Name	Total_Seats
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
21	Maharashtra	48
22	Manipur	2
23	Meghalaya	2
24	Mizoram	1

24	Mizoram	1
25	Nagaland	1
26	Odisha	21
27	Puducherry	1
28	Punjab	13
29	Rajasthan	25
30	Sikkim	1
31	Tamil Nadu	39
32	Telangana	17
33	Tripura	2
34	Uttar Pradesh	80
35	Uttarakhand	5
36	West Bengal	42

3. Total Seats won by NDA Alliance (NDA Alliance is the combination of all these parties)

```sql
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
    [India Elections Results].dbo.partywise_results;
```

	NDA_Total_Seats_Won
1	292

4. Seats Won by NDA Allianz Parties

```sql
SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    [India Elections Results].dbo.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;
```

Results | Messages

	Party_Name	Seats_Won
1	Bharatiya Janata Party - BJP	240
2	Telugu Desam - TDP	16
3	Janata Dal (United) - JD(U)	12
4	Shiv Sena - SHS	7
5	Lok Janshakti Party(Ram Vilas) - LJPRV	5
6	Janata Dal (Secular) - JD(S)	2
7	Janasena Party - JnP	2
8	Rashtriya Lok Dal - RLD	2
9	Sikkim Krantikari Morcha - SKM	1
10	Nationalist Congress Party - NCP	1
11	Hindustani Awam Morcha (Secular) - ...	1
12	Asom Gana Parishad - AGP	1
13	AJSU Party - AJSUP	1
14	Apna Dal (Soneylal) - ADAL	1

5. Total Seats Won by I.N.D.I.A. Allianz (I.N.D.I.A. Alliance is the combination of all these parties)

```sql
SELECT
    SUM(CASE
            WHEN party IN (
                'Indian National Congress - INC',
                'Aam Aadmi Party - AAAP',
                '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
    [India Elections Results].dbo.partywise_results;
```

	INDIA_Total_Seats_Won
1	234

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

```sql
SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    [India Elections Results].dbo.partywise_results
WHERE
    party IN (
        'Indian National Congress - INC',
        'Aam Aadmi Party - AAAP',
        '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;
```

	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 - DMK	22
5	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
6	Nationalist Congress Party Sharadchandra Pawar - ...	8
7	Rashtriya Janata Dal - RJD	4
8	Communist Party of India (Marxist) - CPI(M)	4
9	Aam Aadmi Party - AAAP	3
10	Indian Union Muslim League - IUML	3
11	Jharkhand Mukti Morcha - JMM	3
12	Jammu & Kashmir National Conference - JKN	2
13	Communist Party of India - CPI	2
14	Communist Party of India (Marxist-Leninist) (Liberati...	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 Kazhagam - MDMK	1

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

```sql
alter Table partywise_results
add party_allianz varchar(50);  -- Add New Column party_allianz

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

UPDATE partywise_results
SET party_allianz = 'I.N.D.I.A'
WHERE party IN (
    'Indian National Congress - INC',
    'Aam Aadmi Party - AAAP',
    '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'
);
```

	Party	Won	Party_ID	party_allianz
1	Aam Aadmi Party - AAAP	3	1	I.N.D.I.A
2	Asom Gana Parishad - AGP	1	83	NULL
3	All India Majlis-E-Ittehadul Muslimeen - AIMIM	1	118	NULL
4	All India Trinamool Congress - AITC	29	140	I.N.D.I.A
5	AJSU Party - AJSUP	1	160	NULL
6	Bharatiya Janata Party - BJP	240	369	NULL
7	Communist Party of India - CPI	2	544	I.N.D.I.A
8	Communist Party of India (Marxist-Leninist) (L...	2	545	I.N.D.I.A
9	Communist Party of India (Marxist) - CPI(M)	4	547	I.N.D.I.A
10	Dravida Munnetra Kazhagam - DMK	22	582	I.N.D.I.A
11	Hindustani Awam Morcha (Secular) - HAMS	1	664	NULL

```
-- NDA Allianz

UPDATE partywise_results
SET party_allianz = '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',
    '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'
);
```

10	Dravida Munnetra Kazhagam - DMK	22	582	I.N.D.I.A
11	Hindustani Awam Morcha (Secular) - HAMS	1	664	NDA
12	Indian National Congress - INC	99	742	I.N.D.I.A
13	Independent - IND	7	743	NULL
14	Indian Union Muslim League - IUML	3	772	I.N.D.I.A
15	Janata Dal (Secular) - JD(S)	2	804	NDA
16	Janata Dal (United) - JD(U)	12	805	NDA
17	Jammu & Kashmir National Conference - JKN	2	834	I.N.D.I.A
18	Jharkhand Mukti Morcha - JMM	3	852	I.N.D.I.A

```
-- OTHER

UPDATE partywise_results
SET party_allianz = 'OTHER'
WHERE party_allianz IS NULL;
```

	Party	Won	Party_ID	party_allianz
3	All India Majlis-E-Ittehadul Muslimeen - AIMIM	1	118	OTHER
4	All India Trinamool Congress - AITC	29	140	I.N.D.I.A
5	AJSU Party - AJSUP	1	160	NDA
6	Bharatiya Janata Party - BJP	240	369	NDA
7	Communist Party of India - CPI	2	544	I.N.D.I.A
8	Communist Party of India (Marxist-Leninist) (L	2	545	I.N.D.I.A

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

```
SELECT
    p.party_allianz,
    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_allianz IN ('NDA', 'I.N.D.I.A', 'OTHER')
GROUP BY
    p.party_allianz
ORDER BY
    Seats_Won DESC;
```

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

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

- ■ I am checking for my district Nashik where the State is Maharashtra

```sql
SELECT cr.Winning_Candidate, p.Party,  p.party_allianz, cr.Total_Votes, cr.Margin, cr.Constituency_Name,
s.State
FROM [India Elections Results].dbo.constituencywise_results cr
JOIN [India Elections Results].dbo. partywise_results p ON cr.Party_ID = p.Party_ID
JOIN [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
JOIN [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
WHERE s.State = 'Maharashtra' AND cr.Constituency_Name = 'NASHIK';
```

⊞ Results   ▤ Messages

	Winning_Candidate	Party	party_allianz	Total_Votes	Margin	Constituency_Name	State
1	RAJABHAU (PARAG) PRAKASH WAJE	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	I.N.D.I.A	616729	162001	NASHIK	Maharashtra

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

Constituency_Name= "Nashik"

```sql
SELECT
    cd.Candidate,
    cd.Party,
    cd.EVM_Votes,
    cd.Postal_Votes,
    cd.Total_Votes,
    cr.Constituency_Name
FROM
    [India Elections Results].dbo.constituencywise_details cd
JOIN
    [India Elections Results].dbo.constituencywise_results cr    ON cd.Constituency_ID = cr.Constituency_ID
WHERE
    cr.Constituency_Name = 'NASHIK'
ORDER BY cd.Total_Votes DESC;
```

⊞ Results   ▤ Messages

	Candidate	Party	EVM_Votes	Postal_Votes	Total_Votes	Constituency_Name
1	RAJABHAU (PARAG) PRAKASH WAJE	Shiv Sena (Uddhav Balasaheb Thackrey)	614517	2212	616729	NASHIK
2	GODSE HEMANT TUKARAM	Shiv Sena	453414	1314	454728	NASHIK
3	KARAN PANDHARINATH GAIKAR	Vanchit Bahujan Aaghadi	47114	79	47193	NASHIK
4	SHANTIGIRIJI MAUNGIRIJI MAHARAJ	Independent	44415	109	44524	NASHIK
5	ARUN MADHUKAR KALE	Bahujan Samaj Party	7698	53	7751	NASHIK
6	CHANDRAKANT KESHAVRAO THAKUR	Independent	6607	1	6608	NASHIK
7	NOTA	None of the Above	6144	41	6185	NASHIK
8	AMOL SAMPATRAO KAMBLE	Rashtriya Kisan Bahujan Party	4980	17	4997	NASHIK
9	DARSHANA AMOL MEDHE	Prabuddha Republican Party	4730	6	4736	NASHIK
10	KANOJE PRAKASH GIRDHARI	Independent	3917	3	3920	NASHIK
11	VAMAN MAHADEV SANGALE	Dharmarajya Paksha	3861	0	3861	NASHIK
12	SUDHIR SHRIDHAR DESHMUKH	Independent	3162	5	3167	NASHIK
13	JITENDRA NARESH BHABHE (JITEND...	Independent	3125	7	3132	NASHIK
14	ARIF USMAN MANSURI	Independent	2538	5	2543	NASHIK
15	JAYSHRI MAHENDRA PATIL	Sainik Samaj Party	2398	28	2426	NASHIK
16	GANESH BALASAHEB BORASTE	Independent	2403	1	2404	NASHIK
17	SIDDHESHWARANAND SARASWATI	Independent	2378	10	2388	NASHIK
18	SUSHAMA ABHIJIT GORANE	Independent	2258	2	2260	NASHIK
19	KANTILAL KISAN JADHAV	Ambedkarite Party of India	2047	8	2055	NASHIK
20	CHANDRABHAN AABAJI PURKAR	Independent	1888	2	1890	NASHIK
21	YASHWANT VALU PARDHI	Bhartiya Asmita Party	1867	7	1874	NASHIK
22	KAILASH MARUTI CHAVAN	Aam Janta Party (India)	1686	17	1703	NASHIK
23	KAMLAKAR BALASAHEB GAIKWAD	Dalit Soshit Pichhara Varg Adhikar Dal	1639	7	1646	NASHIK
24	DHANAJI ASHOK TOPALE	Independent	1376	0	1376	NASHIK
25	BHAGYASHRI NITIN ADSUL	Indian Peoples Adhikar Party	1242	2	1244	NASHIK
26	SOPAN NIVRUTTI SOMWANSHI	Independent	1210	1	1211	NASHIK
27	ADV. ZUNJAR MHASUJI AVHAD	Bahujan Republican Socialist Party	1205	5	1210	NASHIK
28	KOLAPPA HANUMANT DHOTRE	Independent	1198	2	1200	NASHIK
29	TILOTTAMA SUNIL JAGTAP	Independent	654	2	656	NASHIK
30	DEEPAK GAIKWAD	Independent	640	2	642	NASHIK
31	SACHINRAJE DATTATREYA DEORE	Independent	549	2	551	NASHIK
32	DEVIDAS PIRAJI SARKATE	Independent	392	2	394	NASHIK

■ To make it dynamic

```sql
CREATE PROCEDURE GetConstituencyVotes
    @ConstituencyName NVARCHAR(100)
AS
BEGIN
    SELECT
        cd.Candidate,
        cd.Party,
        cd.EVM_Votes,
        cd.Postal_Votes,
        cd.Total_Votes,
        cr.Constituency_Name
    FROM
        [India Elections Results].dbo.constituencywise_details cd
    JOIN
        [India Elections Results].dbo.constituencywise_results cr
        ON cd.Constituency_ID = cr.Constituency_ID
    WHERE
        cr.Constituency_Name = @ConstituencyName
    ORDER BY
        cd.Total_Votes DESC;
END;
```

■ Execute stored procedures

```sql
EXEC GetConstituencyVotes 'PUNE';

-- Here, we can provide an input parameter (ConstituencyName) EX. AGRA, AHMEDABADEAST, AJMER,
AKOLA Ext.
```

	Candidate	Party	EVM_Votes	Postal_Votes	Total_Votes	Constituency_Name
1	MURLIDHAR MOHOL	Bharatiya Janata Party	584171	557	584728	PUNE
2	DHANGEKAR RAVINDRA HEMRAJ	Indian National Congress	461409	281	461690	PUNE
3	VASANT (TATYA) MORE	Vanchit Bahujan Aaghadi	31991	21	32012	PUNE
4	NOTA	None of the Above	7449	11	7460	PUNE
5	RANPISE PRASHANT DADARAM	Bahujan Samaj Party	3969	5	3974	PUNE
6	CHORMALE SANDIP SOPAN	Independent	1644	1	1645	PUNE
7	GORAKH NARAYAN GHODKE	Independent	1451	0	1451	PUNE
8	KIRAN LAXMAN RAYKAR	Independent	1052	0	1052	PUNE
9	ANIS ARASHID SUNDAKE	All India Majlis-E-Ittehad...	859	1	860	PUNE
10	SACHIN DATTATRAY DHANKUDE	Independent	788	1	789	PUNE
11	YUVRAJ CHANDRAKANT LIMBO...	Right to Recall Party	698	0	698	PUNE
12	DR. DEVYANI PANDIT	Independent	645	5	650	PUNE
13	NARENDRA DNYANESHWAR PA...	Independent	533	1	534	PUNE
14	SAGAR SAMBHAJI PORE	Independent	515	0	515	PUNE
15	SURESH DNYANOBA PATIL	Sainik Samaj Party	437	0	437	PUNE
16	AMBORE MANJUNATH MARUTI	Independent	433	0	433	PUNE
17	ASHWINI PRATIBHA KHAIRNAR	Independent	412	3	415	PUNE
18	VIJAY VINAYAK JAGTAP	Independent	382	0	382	PUNE
19	HEMANT BABURAV KOLEKAR A...	Apni Prajahit Party	374	1	375	PUNE
20	MANOJ LAXMAN VETAL	Bhim Sena	351	1	352	PUNE
21	NEERAJ SUNIL KAMTHAN	Hindu Samaj Party	351	0	351	PUNE
22	KAMBLE MILIND	Bahujan Samaj Party (A...	344	3	347	PUNE
23	CHANDRAKANT PARMESHWAR ...	Independent	314	0	314	PUNE
24	SHABBIR SAJJANBHAI TAMBOLI	Independent	313	0	313	PUNE
25	SANJAY LAXMAN KENDALE	Independent	311	0	311	PUNE
26	JOHNSON VASANT KOLHAPURE	Independent	304	1	305	PUNE
27	ADV. YOGESH MAKANE	Independent	298	1	299	PUNE
28	SUBROTO ROY	Ekam Sanatan Bharat Dal	293	1	294	PUNE
29	DR. BALASAHEB ARJUN POL	Independent	259	0	259	PUNE
30	VIJAYALAXMI SHRIKANT SINDAGI	Rashtriya Maratha Party	239	1	240	PUNE
31	MAHESH DASHRATH MHASKE	Independent	229	2	231	PUNE
32	YABES ALIAS AMOL SHAMUVEL ...	Independent	223	0	223	PUNE
33	VIJAY PANDURANGRAO DESHM...	Independent	183	2	185	PUNE
34	BABA SALIM SAYYED	Independent	163	1	164	PUNE
35	BAGBAN SALEEM ABDUL RAZZ...	Independent	146	0	146	PUNE
36	ZNYOSHO VIJAYPRAKASH	Independent	138	0	138	PUNE

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

State = "Maharashtra"

```sql
SELECT
    p.Party,
    COUNT(cr.Constituency_ID) AS Seats_Won
FROM
    [India Elections Results].dbo.constituencywise_results cr
inner JOIN
    [India Elections Results].dbo.partywise_results p ON cr.Party_ID = p.Party_ID
inner JOIN
    [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
inner JOIN [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
WHERE
    s.state = 'Maharashtra'
GROUP BY
    p.Party
ORDER BY
    Seats_Won DESC;
```

	Party	Seats_Won
1	Indian National Congress - INC	13
2	Bharatiya Janata Party - BJP	9
3	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
4	Nationalist Congress Party Sharadchandra Pawar - ...	8
5	Shiv Sena - SHS	7
6	Independent - IND	1
7	Nationalist Congress Party - NCP	1

```sql
-- To make it dynamic.

CREATE PROCEDURE GetPartySeatsByState
    @StateName NVARCHAR(100)
AS
BEGIN
    SELECT
        p.Party,
        COUNT(cr.Constituency_ID) AS Seats_Won
    FROM
        [India Elections Results].dbo.constituencywise_results cr
    INNER JOIN
        [India Elections Results].dbo.partywise_results p ON cr.Party_ID = p.Party_ID
    INNER JOIN
        [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
    INNER JOIN
        [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
    WHERE
        s.state = @StateName
    GROUP BY
        p.Party
    ORDER BY
        Seats_Won DESC;
END;
```

■ **Execute stored procedures**

```sql
EXEC GetPartySeatsByState 'Goa';
```

-- Here, we can provide an input parameter (**StateName**) EX. Goa, Assam, Gujarat, Karnataka

	Party	Seats_Won
1	Bharatiya Janata Party - BJP	1
2	Indian National Congress - INC	1

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

```sql
SELECT
    s.State AS State_Name,
    SUM(CASE WHEN p.party_allianz = 'NDA' THEN 1 ELSE 0 END) AS NDA_Seats_Won,
    SUM(CASE WHEN p.party_allianz = 'I.N.D.I.A' THEN 1 ELSE 0 END) AS INDIA_Seats_Won,
     SUM(CASE WHEN p.party_allianz = 'OTHER' THEN 1 ELSE 0 END) AS OTHER_Seats_Won
FROM
    [India Elections Results].dbo. constituencywise_results cr
JOIN
    [India Elections Results].dbo. partywise_results p ON cr.Party_ID = p.Party_ID
JOIN
    [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
JOIN
    [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
WHERE
    p.party_allianz IN ('NDA', 'I.N.D.I.A', 'OTHER')  -- Filter for NDA and INDIA alliances
GROUP BY
    s.State
ORDER BY
    s.State;
```

	State_Name	NDA_Seats_Won	INDIA_Seats_Won	OTHER_Seats_Won
1	Andaman & Nicobar Islands	1	0	0
2	Andhra Pradesh	21	0	4
3	Arunachal Pradesh	2	0	0
4	Assam	10	3	1
5	Bihar	30	9	1
6	Chandigarh	0	1	0
7	Chhattisgarh	10	1	0
8	Dadra & Nagar Haveli and Daman & Diu	1	0	1
9	Delhi	7	0	0
10	Goa	1	1	0
11	Gujarat	25	1	0
12	Haryana	5	5	0
13	Himachal Pradesh	4	0	0
14	Jammu and Kashmir	2	2	1
15	Jharkhand	9	5	0
16	Karnataka	19	9	0
17	Kerala	1	19	0
18	Ladakh	0	0	1
19	Lakshadweep	0	1	0
20	Madhya Pradesh	29	0	0
21	Maharashtra	17	30	1
22	Manipur	0	2	0
23	Meghalaya	0	1	1
24	Mizoram	0	0	1
25	Nagaland	0	1	0
26	Odisha	20	1	0
27	Puducherry	0	1	0
28	Punjab	0	10	3
29	Rajasthan	14	11	0
30	Sikkim	1	0	0
31	Tamil Nadu	0	39	0
32	Telangana	8	8	1
33	Tripura	2	0	0
34	Uttar Pradesh	36	43	1
35	Uttarakhand	5	0	0
36	West Bengal	12	30	0

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

```sql
SELECT TOP 10
    cr.Constituency_Name,
    cd.Constituency_ID,
    cd.Candidate,
    cd.EVM_Votes
FROM
    [India Elections Results].dbo.constituencywise_details cd
JOIN
    [India Elections Results].dbo.constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE       -- Filters the results to only include candidates who received the maximum number of EVM votes
within their respective constituencies.
    cd.EVM_Votes = (
        SELECT MAX(cd1.EVM_Votes)
        FROM [India Elections Results].dbo.constituencywise_details cd1
        WHERE cd1.Constituency_ID = cd.Constituency_ID
    )
ORDER BY
    cd.EVM_Votes DESC;
```

	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	MALKAJGIRI	S297	EATALA RAJENDER	980712

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

```sql
SELECT TOP 10
    cr.Constituency_Name,
    cd.Constituency_ID,
    cd.Candidate,
    cd.Postal_Votes
FROM
    [India Elections Results].dbo.constituencywise_details cd
JOIN
    [India Elections Results].dbo.constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
WHERE -- Filters the results to only include candidates who received the maximum number of Postal votes
within their respective constituencies.
    cd.Postal_Votes = (
        SELECT MAX(cd1.Postal_Votes)
        FROM [India Elections Results].dbo.constituencywise_details cd1
        WHERE cd1.Constituency_ID = cd.Constituency_ID
    )
ORDER BY
    cd.Postal_Votes DESC;
```

	Constituency_Name	Constituency_ID	Candidate	Postal_Votes
1	SRIKAKULAM	S012	KINJARAPU RAMMOHAN NAIDU	19827
2	NELLORE	S0122	PRABHAKAR REDDY VEMIREDDY	15431
3	HAMIRPUR	S083	ANURAG SINGH THAKUR	14013
4	JAIPURRURAL	S206	ANIL CHOPRA	13969
5	GUNTUR	S0113	DR CHANDRA SEKHAR PEMMASANI	13928
6	VIZIANAGARAM	S013	APPALANAIDU KALISETTI	13829
7	SIKAR	S205	AMRARAM	13741
8	GARHWAL	S282	ANIL BALUNI	13628
9	VISAKHAPATNAM	S014	SRIBHARAT MATHUKUMILI	13583
10	TRIPURAWEST	S231	BIPLAB KUMAR DEB	12857

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

-- Maharashtra

```sql
WITH RankedCandidates AS (
    SELECT
        cd.Constituency_ID,
        cd.Candidate,
        cd.Party,
        cd.EVM_Votes,
        cd.Postal_Votes,
        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
        [India Elections Results].dbo.constituencywise_details cd
    JOIN
        [India Elections Results].dbo.constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
    JOIN
        [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
    JOIN
        [India Elections Results].dbo.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
    [India Elections Results].dbo.constituencywise_results cr ON rc.Constituency_ID = cr.Constituency_ID
GROUP BY
    cr.Constituency_Name
ORDER BY
 cr.Constituency_Name;
```

	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...	KAPIL MORESHWAR PATIL
9	BULDHANA	JADHAV PRATAPRAO GANPATRAO	NARENDRA DAGDU KHEDEKAR
10	CHANDRAPUR	DHANORKAR PRATIBHA SURESH ...	MUNGANTIWAR SUDHIR SACCHIDANA...
11	DHULE	BACHHAV SHOBHA DINESH	BHAMRE SUBHASH RAMRAO
12	DINDORI	BHASKAR MURLIDHAR BHAGARE	DR. BHARATI PRAVIN PAWAR
13	GADCHIROLI-CHIM...	DR. KIRSAN NAMDEO	ASHOK MAHADEORAO NETE
14	HATKANANGALE	DHAIRYASHEEL SAMBHAJIRAO MA...	SATYAJEET BABASAHEB PATIL (AABA) ...
15	HINGOLI	AASHTIKAR PATIL NAGESH BAPUR...	BABURAO KADAM KOHALIKAR
16	JALGAON	SMITA UDAY WAGH	KARAN BALASAHEB PATIL - PAWAR
17	JALNA	KALYAN VAIJINATHRAO KALE	DANVE RAOSAHEB DADARAO
18	KALYAN	DR SHRIKANT EKNATH SHINDE	VAISHALI DAREKAR - RANE
19	KOLHAPUR	CHHATRAPATI SHAHU SHAHAJI	SANJAY SADASHIVRAO MANDLIK
20	LATUR	DR. KALGE SHIVAJI BANDAPPA	SUDHAKAR TUKARAM SHRANGARE
21	MADHA	MOHITE-PATIL DHAIRYASHEEL RA...	RANJEETSINGH HINDURAO NAIK NIMB...
22	MAVAL	SHRIRANG APPA CHANDU BARNE	SANJOG BHIKU WAGHERE PATIL
23	MUMBAINORTH	PIYUSH GOYAL	BHUSHAN PATIL
24	MUMBAINORTHCE...	GAIKWAD VARSHA EKNATH	ADV UJWAL NIKAM

25	MUMBAINORTHEAST	SANJAY DINA PATIL	MIHIR CHANDRAKANT KOTECHA
26	MUMBAINORTHWE...	RAVINDRA DATTARAM WAIKAR	AMOL GAJANAN KIRTIKAR
27	MUMBAISOUTH	ARVIND GANPAT SAWANT	YAMINI YASHWANT JADHAV
28	MUMBAISOUTHCE...	ANIL YESHWANT DESAI	RAHUL RAMESH SHEWALE
29	NAGPUR	NITIN JAIRAM GADKARI	VIKAS THAKRE
30	NANDED	CHAVAN VASANTRAO BALWANTR...	CHIKHALIKAR PRATAPRAO GOVINDRAO
31	NANDURBAR	ADV GOWAAL KAGADA PADAVI	DR HEENA VIJAYKUMAR GAVIT
32	NASHIK	RAJABHAU (PARAG) PRAKASH WAJE	GODSE HEMANT TUKARAM
33	OSMANABAD	OMPRAKASH BHUPALSINH ALIAS ...	ARCHANA RANAJAGJITSINH PATIL
34	PALGHAR	DR. HEMANT VISHNU SAVARA	BHARTI BHARAT KAMDI
35	PARBHANI	JADHAV SANJAY (BANDU) HARIB...	JANKAR MAHADEV JAGANNATH
36	PUNE	MURLIDHAR MOHOL	DHANGEKAR RAVINDRA HEMRAJ
37	RAIGAD	TATKARE SUNIL DATTATREY	ANANT GEETE
38	RAMTEK	Shyamkumar (Babalu) Daulat Barve	RAJU DEONATH PARVE
39	RATNAGIRI-SINDH...	NARAYAN TATU RANE	VINAYAK BHAURAO RAUT
40	RAVER	KHADSE RAKSHA NIKHIL	SHRIRAM DAYARAM PATIL
41	SANGLI	VISHAL (DADA) PRAKASHBAPU PA...	SANJAY (KAKA) PATIL
42	SATARA	SHRIMANT CHH UDAYANRAJE PR...	SHASHIKANT JAYVANTRAO SHINDE
43	SHIRDI	BHAUSAHEB RAJARAM WAKCHAU...	LOKHANDE SADASHIV KISAN
44	SHIRUR	DR. AMOL RAMSING KOLHE	ADHALRAO SHIVAJI DATTATREY
45	SOLAPUR	PRANITI SUSHILKUMAR SHINDE	RAM VITTHAL SATPUTE
46	THANE	NARESH GANPAT MHASKE	RAJAN BABURAO VICHARE
47	WARDHA	AMAR SHARADRAO KALE	RAMDAS CHANDRABHAN TADAS
48	YAVATMAL-WASHIM	SANJAY UTTAMRAO DESHMUKH	RAJSHRITAI HEMANT PATIL (MAHALLE)

-- To make it dynamic.

```sql
CREATE PROCEDURE GetTopCandidatesByState
    @StateName NVARCHAR(100)
AS
BEGIN
    WITH RankedCandidates AS (
        SELECT
            cd.Constituency_ID,
            cd.Candidate,
            cd.Party,
            cd.EVM_Votes,
            cd.Postal_Votes,
            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
            [India Elections Results].dbo.constituencywise_details cd
        JOIN
            [India Elections Results].dbo.constituencywise_results cr ON cd.Constituency_ID =
cr.Constituency_ID
        JOIN
            [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
        JOIN
            [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
        WHERE
            s.State = @StateName

    )

    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
        [India Elections Results].dbo.constituencywise_results cr ON rc.Constituency_ID = cr.Constituency_ID
    GROUP BY
        cr.Constituency_Name
    ORDER BY
        cr.Constituency_Name;
END;
```

■ Execute stored procedures

```sql
EXEC GetTopCandidatesByState 'Goa';
```

-- Here, we can provide an input parameter (StateName) EX. Goa, Assam, Gujarat, Karnataka

	Constituency_Name	Winning_Candidate	Runnerup_Candidate
1	NORTHGOA	SHRIPAD YESSO NAIK	RAMAKANT KHALAP
2	SOUTHGOA	CAPTAIN VIRIATO FERNANDES	PALLAVI SHRINIVAS DEMPO

16.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?

```sql
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
    [India Elections Results].dbo.constituencywise_results cr
JOIN
    [India Elections Results].dbo.constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
JOIN
    [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
JOIN
    [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
JOIN
    [India Elections Results].dbo.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

```sql
-- Make Dynamic for any state

CREATE PROCEDURE GetElectionSummaryByState
    @StateName VARCHAR(100)
AS
BEGIN
    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
        [India Elections Results].dbo.constituencywise_results cr
    JOIN
        [India Elections Results].dbo.constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
    JOIN
        [India Elections Results].dbo.statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
    JOIN
        [India Elections Results].dbo.states s ON sr.State_ID = s.State_ID
    JOIN
        [India Elections Results].dbo.partywise_results p ON cr.Party_ID = p.Party_ID
    WHERE
        s.State = @StateName;
END;
```

■ **Execute stored procedures**

```sql
    EXEC GetElectionSummaryByState 'Goa';
```

-- Here, we can provide an input parameter (StateName) EX. Goa, Assam, Gujarat, Karnataka

	Total_Seats	Total_Candidates	Total_Parties	Total_Votes	Total_EVM_Votes	Total_Postal_Votes
1	2	17	2	906538	896978	9560