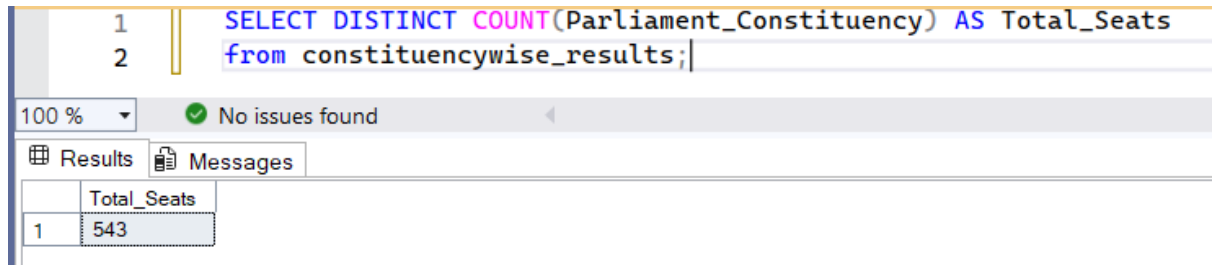# INDIA GENERAL ELECTIONS RESULT ANALYSIS 2024

1. Total Seats:

```sql
SELECT DISTINCT COUNT(Parliament_Constituency) AS Total_Seats
from constituencywise_results;
```
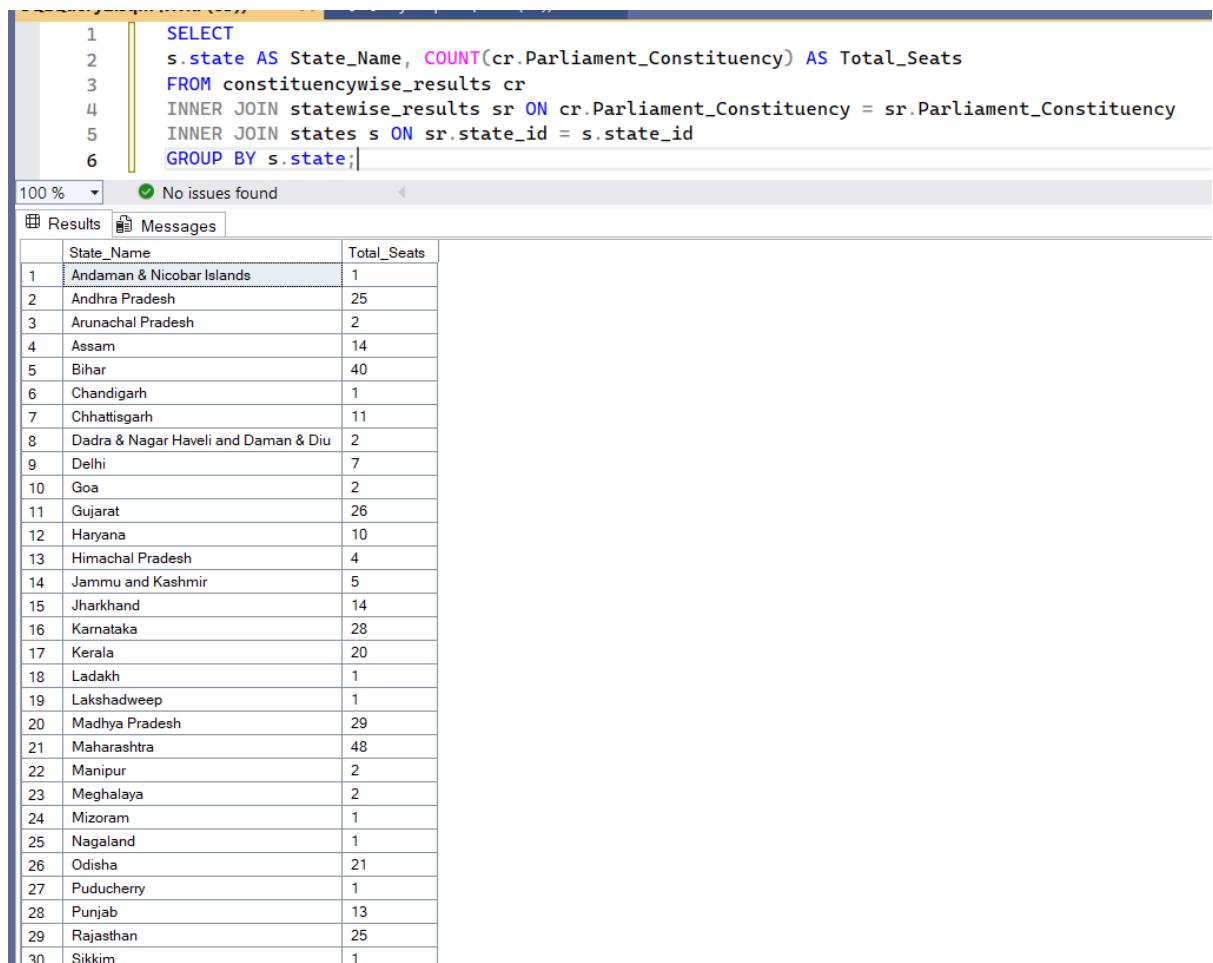
```
     1    SELECT DISTINCT COUNT(Parliament_Constituency) AS Total_Seats
     2    from constituencywise_results;

100 %    ▼    ✓ No issues found                    ◄

⊞ Results  📄 Messages
        Total_Seats
   1    543
```

2. Total Number of Seats available for elections in each state:

```sql
SELECT
s.state AS State_Name, COUNT(cr.Parliament_Constituency) AS Total_Seats
FROM constituencywise_results cr
INNER JOIN statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
INNER JOIN states s ON sr.state_id = s.state_id
GROUP BY s.state;
```

```
     1    SELECT
     2    s.state AS State_Name, COUNT(cr.Parliament_Constituency) AS Total_Seats
     3    FROM constituencywise_results cr
     4    INNER JOIN statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
     5    INNER JOIN states s ON sr.state_id = s.state_id
     6    GROUP BY s.state;

100 %    ▼    ✓ No issues found                    ◄
```

	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
25	Nagaland	1
26	Odisha	21
27	Puducherry	1
28	Punjab	13
29	Rajasthan	25
30	Sikkim	1

3. Total Seats won by NDA Alliance:

```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 partywise_results
```

```
1    SELECT
2        SUM(CASE
3            WHEN party IN (
4                'Bharatiya Janata Party – BJP',
5                'Telugu Desam – TDP',
6                'Janata Dal  (United) – JD(U)',
7                'Shiv Sena – SHS',
8                'AJSU Party – AJSUP',
9                'Apna Dal (Soneylal) – ADAL',
10               'Asom Gana Parishad – AGP',
11               'Hindustani Awam Morcha (Secular) – HAMS',
12               'Janasena Party – JnP',
13               'Janata Dal  (Secular) – JD(S)',
14               'Lok Janshakti Party(Ram Vilas) – LJPRV',
15               'Nationalist Congress Party – NCP',
16               'Rashtriya Lok Dal – RLD',
17               'Sikkim Krantikari Morcha – SKM'
18           ) THEN [Won]
19           ELSE 0
20       END) AS NDA_Total_Seats_Won
21   FROM partywise_results
```

100 %   ▼   ✓ No issues found

⊞ Results 📄 Messages

	NDA_Total_Seats_Won
1	292

4. Seats won by NDA Alliance Parties:

```sql
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
```

```sql
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
```

91 %   ▼   ✓ No issues found   ◄

⊞ 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) - HAMS	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 Alliance:

```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 Total_Seats_won_by_INDIA_Alliance
        FROM partywise_results
```

```
1    SELECT
2        SUM(CASE
3            WHEN party IN (
4                'Indian National Congress - INC',
5                'Aam Aadmi Party - AAAP',
6                'All India Trinamool Congress - AITC',
7                'Bharat Adivasi Party - BHRTADVSIP',
8                'Communist Party of India  (Marxist) - CPI(M)',
9                'Communist Party of India  (Marxist-Leninist)  (Liberation) - CPI(ML)(L)',
10               'Communist Party of India - CPI',
11               'Dravida Munnetra Kazhagam - DMK',
12               'Indian Union Muslim League - IUML',
13               'Nat`Jammu & Kashmir National Conference - JKN',
14               'Jharkhand Mukti Morcha - JMM',
15               'Jammu & Kashmir National Conference - JKN',
16               'Kerala Congress - KEC',
17               'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
18               'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
19               'Rashtriya Janata Dal - RJD',
20               'Rashtriya Loktantrik Party - RLTP',
21               'Revolutionary Socialist Party - RSP',
22               'Samajwadi Party - SP',
23               'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
24               'Viduthalai Chiruthaigal Katchi - VCK'
25               )THEN [Won]
26               ELSE 0
27           END) AS Total_Seats_won_by_INDIA_Alliance
28       FROM partywise_results
```

91 %   ● No issues found

⊞ Results ▤ Messages

	Total_Seats_won_by_INDIA_Alliance
1	234

6. Seats won by I.N.D.I.A Alliance parties:

```
SELECT party AS Party_Name,
won AS Seats_Won
FROM partywise_results
WHERE party IN (
```

```sql
                '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
```

```
1    SELECT party AS Party_Name,
2    won AS Seats_Won
3    FROM partywise_results
4    WHERE
5         party IN (
6                   'Indian National Congress - INC',
7                   'Aam Aadmi Party - AAAP',
8                   'All India Trinamool Congress - AITC',
9                   'Bharat Adivasi Party - BHRTADVSIP',
10                  'Communist Party of India  (Marxist) - CPI(M)',
11                  'Communist Party of India  (Marxist-Leninist)  (Liberation) - CPI(ML)(L)',
12                  'Communist Party of India - CPI',
13                  'Dravida Munnetra Kazhagam - DMK',
14                  'Indian Union Muslim League - IUML',
15                  'Nat`Jammu & Kashmir National Conference - JKN',
16                  'Jharkhand Mukti Morcha - JMM',
17                  'Jammu & Kashmir National Conference - JKN',
18                  'Kerala Congress - KEC',
19                  'Marumalarchi Dravida Munnetra Kazhagam - MDMK',
20                  'Nationalist Congress Party Sharadchandra Pawar - NCPSP',
21                  'Rashtriya Janata Dal - RJD',
22                  'Rashtriya Loktantrik Party - RLTP',
23                  'Revolutionary Socialist Party - RSP',
24                  'Samajwadi Party - SP',
25                  'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',
26                  'Viduthalai Chiruthaigal Katchi - VCK'
27                  )
28   Order by Seats_Won desc
```

3 %   ▼   ✅ No issues found   ◀

🗐 Results 🗐 Messages

Party_Name	Seats_Won
Indian National Congress - INC	99
Samajwadi Party - SP	37
All India Trinamool Congress - AITC	29
Dravida Munnetra Kazhagam - DMK	22
Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
Nationalist Congress Party Sharadchandra Pawar - ...	8
Rashtriya Janata Dal - RJD	4
Communist Party of India (Marxist) - CPI(M)	4
Aam Aadmi Party - AAAP	3
Indian Union Muslim League - IUML	3
Jharkhand Mukti Morcha - JMM	3
Jammu & Kashmir National Conference - JKN	2

7. **Modify table by adding new column field in table partywise_results to get the Party Alliance as NDA, I.N.D.I.A and OTHER:**

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

I.N.D.I.A Alliance:

```
UPDATE partywise_results
SET party_alliance = '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',
            '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'
            )
```

NDA Alliance:

```
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',
        '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;
```

```
1     UPDATE partywise_results
2     SET party_alliance = 'OTHER'
3     WHERE party_alliance IS NULL;
4
5     select * from partywise_results;
```

83 %   ● No issues found

⊞ Results   📄 Messages

	Party	Won	Party_ID	party_alliance
1	Aam Aadmi Party - AAAP	3	1	I.N.D.I.A
2	Asom Gana Parishad - AGP	1	83	NDA
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) (Li...	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	NDA
12	Indian National Congress - INC	99	742	I.N.D.I.A
13	Independent - IND	7	743	OTHER
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
19	Janasena Party - JnP	2	860	NDA
20	Kerala Congress - KEC	1	911	I.N.D.I.A
21	Marumalarchi Dravida Munnetra Kazhagam - ...	1	1046	I.N.D.I.A
22	Nationalist Congress Party - NCP	1	1142	NDA
23	Rashtriya Janata Dal - RJD	4	1420	I.N.D.I.A
24	Rashtriya Lok Dal - RLD	2	1458	NDA
25	Revolutionary Socialist Party - RSP	1	1534	I.N.D.I.A
26	Shiromani Akali Dal - SAD	1	1584	OTHER
27	Sikkim Krantikari Morcha - SKM	1	1658	NDA
28	Samajwadi Party - SP	37	1680	I.N.D.I.A
29	Telugu Desam - TDP	16	1745	NDA
30	Viduthalai Chiruthaigal Katchi - VCK	2	1847	I.N.D.I.A
31	Yuvajana Sramika Rythu Congress Party - YSR...	4	1888	OTHER
32	United People's Party Liberal - UPPL	1	1998	OTHER

- **To view Total Seats won by each alliance:**

```
SELECT party_alliance,
SUM(won) AS Total_Seats_won
```

```
FROM partywise_results
GROUP BY party_alliance;
```

```
1   SELECT party_alliance,
2   SUM(won) AS Total_Seats_won
3   FROM partywise_results
4   GROUP BY party_alliance;
```

83 %   ▼   ✓ No issues found   ◀

⊞ Results 📄 Messages

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

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

```
SELECT
cr.Winning_Candidate,
pr.Party,
pr.party_alliance,
cr.Total_Votes,
cr.Margin,
s.State,
cr.Constituency_Name
FROM
constituencywise_results cr
INNER JOIN
partywise_results pr ON
cr.Party_ID = pr.Party_ID
INNER JOIN
statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
INNER JOIN states s ON sr.state_id = s.state_id
WHERE cr.Constituency_Name = 'AGRA'
```

```
 1   ∨ SELECT
 2       cr.Winning_Candidate,
 3       pr.Party,
 4       pr.party_alliance,
 5       cr.Total_Votes,
 6       cr.Margin,
 7       s.State,
 8       cr.Constituency_Name
 9       FROM
10       constituencywise_results cr
11       INNER JOIN
12       partywise_results pr ON
13       cr.Party_ID = pr.Party_ID
14       INNER JOIN
15       statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
16       INNER JOIN states s ON sr.state_id = s.state_id
17       WHERE cr.Constituency_Name = 'AGRA'
```

100 %   ▼   ✅ No issues found   ◁

⊞ Results   📄 Messages

	Winning_Candidate	Party	party_alliance	Total_Votes	Margin	State	Constituency_Name
1	PROF S P SINGH BAGHEL	Bharatiya Janata Party - BJP	NDA	599397	271294	Uttar Pradesh	AGRA

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

```
SELECT
cd.EVM_Votes,
cd.Postal_Votes,
cd.Total_Votes,
cd.Candidate,
cr.Constituency_Name
FROM constituencywise_results cr INNER JOIN constituencywise_details cd
ON cr.Constituency_ID = cd.Constituency_ID
WHERE cr.Constituency_Name = 'AMETHI'
```

```sql
1   SELECT
2       cd.EVM_Votes,
3       cd.Postal_Votes,
4       cd.Total_Votes,
5       cd.Candidate,
6       cr.Constituency_Name
7       FROM constituencywise_results cr INNER JOIN constituencywise_details cd
8       ON cr.Constituency_ID = cd.Constituency_ID
9       WHERE cr.Constituency_Name = 'AMETHI'
```

100 %   ⊘ No issues found

⊞ Results 📄 Messages

	EVM_Votes	Postal_Votes	Total_Votes	Candidate	Constituency_Name
1	536680	2548	539228	KISHORI LAL	AMETHI
2	370754	1278	372032	SMRITI IRANI	AMETHI
3	34418	116	34534	NANHE SINGH CHAUHAN	AMETHI
4	5699	0	5699	SURENDRA KUMAR	AMETHI
5	4569	8	4577	DINESH CHANDRA MAURYA	AMETHI
6	4019	1	4020	JAGDAMBA PRASAD YADAV	AMETHI
7	2333	1	2334	BHAGWANDIN PASI	AMETHI
8	2278	13	2291	CHANDRAWATI	AMETHI
9	1525	2	1527	MOHD HASAN LAHRI	AMETHI
10	1401	0	1401	KHUSHIRAM	AMETHI
11	1300	5	1305	UDAYRAJ	AMETHI
12	1208	4	1212	SANTRAM	AMETHI
13	1124	4	1128	SHAILENDRA KUMAR MISHRA	AMETHI
14	9371	12	9383	NOTA	AMETHI

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

```sql
SELECT
pr.Party,
COUNT(cr.Constituency_ID) AS Seats_Won
FROM constituencywise_results cr
INNER JOIN
partywise_results pr ON cr.Party_ID = pr.Party_ID
INNER JOIN
statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
INNER JOIN
states s ON sr.State_ID = s.State_ID
WHERE s.State = 'Andhra Pradesh'
GROUP BY pr.Party
ORDER BY Seats_Won DESC
```

```
 1   ∨ SELECT
 2       pr.Party,
 3       COUNT(cr.Constituency_ID) AS Seats_Won
 4       FROM constituencywise_results cr
 5       INNER JOIN
 6       partywise_results pr ON cr.Party_ID = pr.Party_ID
 7       INNER JOIN
 8       statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
 9       INNER JOIN
10       states s ON sr.State_ID = s.State_ID
11       WHERE s.State = 'Andhra Pradesh'
12       GROUP BY pr.Party
13       ORDER BY Seats_Won DESC
```

100 % ▼   ✅ No issues found   ◀

⊞ 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

11. 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 pr.party_alliance = 'NDA' THEN 1 ELSE 0 END) AS NDA_Seats_Won,
SUM(CASE WHEN pr.party_alliance = 'I.N.D.I.A' THEN 1 ELSE 0 END) AS
INDIA_Seats_Won,
SUM(CASE WHEN pr.party_alliance = 'OTHER' THEN 1 ELSE 0 END) AS
OTHER_Seats_Won
FROM constituencywise_results cr
INNER JOIN
partywise_results pr ON cr.Party_ID = pr.Party_ID
INNER JOIN
statewise_results sr ON cr.Parliament_Constituency =
sr.Parliament_Constituency
INNER JOIN
states s ON sr.State_ID = s.State_ID
GROUP BY s.State
ORDER BY s.State
```

```sql
SELECT
    s.State AS State_Name,
    SUM(CASE WHEN pr.party_alliance = 'NDA' THEN 1 ELSE 0 END) AS NDA_Seats_Won,
    SUM(CASE WHEN pr.party_alliance = 'I.N.D.I.A' THEN 1 ELSE 0 END) AS INDIA_Seats_Won,
    SUM(CASE WHEN pr.party_alliance = 'OTHER' THEN 1 ELSE 0 END) AS OTHER_Seats_Won
    FROM constituencywise_results cr
    INNER JOIN
    partywise_results pr ON cr.Party_ID = pr.Party_ID
    INNER JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
    INNER JOIN
    states s ON sr.State_ID = s.State_ID
    GROUP BY s.State
    ORDER BY s.State
```

0 %   ✓ No issues found

Results   Messages

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

12. **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 constituencywise_details cd
INNER 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;
```

```sql
1    SELECT TOP 10
2    cr.Constituency_Name,
3    cd.Constituency_ID,
4    cd.Candidate,
5    cd.EVM_Votes
6    FROM constituencywise_details cd
7    INNER JOIN constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
8    WHERE
9    cd.EVM_Votes = (
10       SELECT MAX(cd1.EVM_Votes)
11       FROM constituencywise_details cd1
12       WHERE cd1.Constituency_ID = cd.Constituency_ID
13   )
14   ORDER BY cd.EVM_Votes DESC;
```

100 % ▼   ● No issues found

⊞ 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	MALKAJGIRI	S297	EATALA RAJENDER	980712

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

```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
        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,
```

```sql
        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
```

```sql
1   WITH RankedCandidates AS (
2       SELECT
3           cd.Constituency_ID,
4           cd.Candidate,
5           cd.Party,
6           cd.EVM_Votes,
7           cd.Postal_Votes,
8           cd.EVM_Votes + cd.Postal_Votes AS Total_Votes,
9           ROW_NUMBER() OVER (PARTITION BY cd.Constituency_ID ORDER BY cd.EVM_Votes + cd.Postal_Votes DESC) AS VoteRank
10      FROM
11          constituencywise_details cd
12      JOIN
13          constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
14      JOIN
15          statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
16      JOIN
17          states s ON sr.State_ID = s.State_ID
18      WHERE
19          s.State = 'Maharashtra'
```

83 %   ✅ No issues found

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 SACCHIDANAND
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	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

Query Explanation:

1. Common Table Expression (CTE) RankedCandidates

- **WITH RankedCandidates AS**: This section creates a Common Table Expression (CTE) named RankedCandidates, which is used to rank candidates based on their total votes within each constituency.
- **SELECT ... FROM constituencywise_details cd**: This part of the CTE retrieves data from the constituencywise_details table, including:
    - cd.Constituency_ID: The ID of the constituency.
    - cd.Candidate: The name of the candidate.
    - cd.Party: The party of the candidate.
    - cd.EVM_Votes: The number of EVM votes received by the candidate.
    - cd.Postal_Votes: The number of postal votes received by the candidate.

- o cd.EVM_Votes + cd.Postal_Votes AS Total_Votes: The total votes received by the candidate (sum of EVM and postal votes).
- **ROW_NUMBER() OVER (PARTITION BY cd.Constituency_ID ORDER BY cd.EVM_Votes + cd.Postal_Votes DESC) AS VoteRank**:
  - o ROW_NUMBER() is a window function that assigns a unique rank to each candidate within their respective constituency.
  - o PARTITION BY cd.Constituency_ID ensures that the ranking is done separately for each constituency.
  - o ORDER BY cd.EVM_Votes + cd.Postal_Votes DESC orders candidates by their total votes in descending order, so the candidate with the most votes gets rank 1.
- **JOIN ... ON ...**: Joins are performed to combine information from related tables:
  - o constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID
  - o statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
  - o states s ON sr.State_ID = s.State_ID
- **WHERE s.State = 'Maharashtra'**: Filters the results to include only data related to the state of Maharashtra.

2. Main Query

- **SELECT ... FROM RankedCandidates rc**: The main query retrieves data from the RankedCandidates CTE to find the winning and runner-up candidates for each constituency.
- **MAX(CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END) AS Winning_Candidate**:
  - o CASE WHEN rc.VoteRank = 1 THEN rc.Candidate END selects the candidate with the highest vote rank (rank 1) for each constituency.
  - o MAX(...) ensures that only one candidate is selected for each constituency.
- **MAX(CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END) AS Runnerup_Candidate**:
  - o CASE WHEN rc.VoteRank = 2 THEN rc.Candidate END selects the candidate with the second highest vote rank (rank 2) for each constituency.
  - o MAX(...) ensures that only one candidate is selected for each constituency.
- **JOIN ... ON ...**: Joins the RankedCandidates CTE with the constituencywise_results table to get the constituency names.
- **GROUP BY cr.Constituency_Name**: Groups the results by constituency name to ensure that the winning and runner-up candidates are determined for each constituency.
- **ORDER BY cr.Constituency_Name**: Orders the results alphabetically by constituency name for easier readability.

14. **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
s.State AS State_Name,
COUNT(DISTINCT cr.Constituency_ID) AS Total_Sales,
COUNT(DISTINCT cd.Candidate) AS Total_Candidates,
COUNT(DISTINCT pr.Party) AS TOTAL_Parties,
SUM(cd.EVM_Votes) AS Total_EVM_Votes,
SUM(cd.Postal_Votes) AS Total_Postal_Votes,
SUM(cd.EVM_Votes + cd.Postal_Votes) AS Total_Votes
FROM constituencywise_results cr
INNER JOIN
constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
INNER JOIN
statewise_results sr ON sr.Parliament_Constituency =
cr.Parliament_Constituency
INNER JOIN
```

```
        states s ON sr.State_ID = s.State_ID
        INNER JOIN
        partywise_results pr ON cr.Party_ID = pr.Party_ID
        WHERE s.State = 'Maharashtra'
        GROUP BY s.State
```

```sql
1    SELECT
2    s.State AS State_Name,
3    COUNT(DISTINCT cr.Constituency_ID) AS Total_Sales,
4    COUNT(DISTINCT cd.Candidate) AS Total_Candidates,
5    COUNT(DISTINCT pr.Party) AS TOTAL_Parties,
6    SUM(cd.EVM_Votes) AS Total_EVM_Votes,
7    SUM(cd.Postal_Votes) AS Total_Postal_Votes,
8    SUM(cd.EVM_Votes + cd.Postal_Votes) AS Total_Votes
9    FROM constituencywise_results cr
10   INNER JOIN
11   constituencywise_details cd ON cr.Constituency_ID = cd.Constituency_ID
12   INNER JOIN
13   statewise_results sr ON sr.Parliament_Constituency = cr.Parliament_Constituency
14   INNER JOIN
15   states s ON sr.State_ID = s.State_ID
16   INNER JOIN
17   partywise_results pr ON cr.Party_ID = pr.Party_ID
18   WHERE s.State = 'Maharashtra'
19   GROUP BY s.State
```

33 %   ▼   ✓ No issues found   ◄

⊞ Results 📄 Messages

	State_Name	Total_Sales	Total_Candidates	TOTAL_Parties	Total_EVM_Votes	Total_Postal_Votes	Total_Votes
1	Maharashtra	48	1114	7	56969710	209423	57179133