

# SQL Query Document

## 1. Total number of seats won by the candidates

```
Select  
Distinct Count(parliament_constituency) as Total_Seats  
From constituencywise_results
```

	Total_Seats
1	543

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

```
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
```

	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

### 3. Total Seats Won by NDA Alliance

```
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
```

	NDA_Total_Seats_Won
1	292

### 4. Seats won by NDA Alliance 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
```

	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

```

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

```

	INDIA_Total_Seats_Won
1	234

## 6. Seats won I.N.D.I.A Alliance Parties

```

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

```

	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 - AAP	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) (Libera...	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. 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, cr.total_votes,
s.state, cr.Constituency_name
From constituencywise_results cr Inner Join partywise_results pr On cr.Party_ID =
pr.Party_ID
Inner Join statewide_results sr On cr.Parliament_Constituency =
sr.Parliament_Constituency
Inner Join states s On sr.State_ID = s.State_ID
Where cr.Constituency_Name = 'HARIDWAR'

```

	Winning_Candidate	party	total_votes	state	Constituency_name
1	TRIVENDRA SINGH RAWAT	Bharatiya Janata Party - BJP	653808	Uttarakhand	HARIDWAR

## 8. 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 Join constituencywise_details cd
On cr.Constituency_ID = cd.Constituency_ID
Where cr.Constituency_Name = 'HARIDWAR'

```

	EVM_Votes	Postal_Votes	Total_Votes	Candidate	Constituency_Name
1	648498	5310	653808	TRIVENDRA SINGH RAWAT	HARIDWAR
2	487406	2346	489752	VIRENDRA RAWAT	HARIDWAR
3	89958	1230	91188	UMESH KUMAR PATRAKAR	HARIDWAR
4	42116	207	42323	JAMIL AHMAD	HARIDWAR
5	2943	18	2961	BALBIR SINGH BHANDARI	HARIDWAR
6	2809	45	2854	MOHAN SINGH ASWAL	HARIDWAR
7	2409	1	2410	VIJAY KUMAR	HARIDWAR
8	2170	8	2178	PAWAN KASHYAP	HARIDWAR
9	1963	11	1974	KARAN SINGH SAINI ENGINEER	HARIDWAR
10	1678	7	1685	AKRAM HUSSAIN	HARIDWAR
11	1396	14	1410	LALIT KUMAR	HARIDWAR
12	1150	12	1162	SURESH PAL	HARIDWAR
13	1107	10	1117	ASHISH DHYANI	HARIDWAR
14	967	8	975	AVNISH KUMAR	HARIDWAR
15	6663	163	6826	NOTA	HARIDWAR

## 9. Which parties won the most seats in a 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
    statewide_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
WHERE
    s.state = 'Uttar Pradesh'
GROUP BY
    p.Party
ORDER BY
    Seats_Won DESC;
```

	Party	Seats_Won
1	Samajwadi Party - SP	37
2	Bharatiya Janata Party - BJP	33
3	Indian National Congress - INC	6
4	Rashtriya Lok Dal - RLD	2
5	Aazad Samaj Party (Kanshi Ram) - ASPKR	1
6	Apna Dal (Soneylal) - ADAL	1

## 10. 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
    partywise_results p ON cr.Party_ID = p.Party_ID
JOIN
    statewide_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;
```

	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

### 11. 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;

```

	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

## 12. 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,
        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 = 'Uttarakhand'
)

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;

	Constituency_Name	Winning_Candidate	Runnerup_Candidate
1	ALMORA	AJAY TAMTA	PRADEEP TAMTA
2	GARHWAL	ANIL BALUNI	GANESH GODIYAL
3	HARIDWAR	TRIVENDRA SINGH RAWAT	VIRENDRA RAWAT
4	NAINITAL-UDHAMSINGHNAGAR	AJAY BHATT	PRAKASH JOSHI
5	TEHRIGARHWAL	MALA RAJYA LAKSHMI SHAH	JOT SINGH GUNSOLA

**By Saptrishi Tiwari**