END TO END SQL PROJECT:

INDIA GENERAL ELECTION RESULTS ANALYSIS.
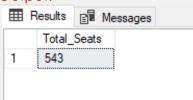
Entity Relationship Diagram (ERD) / Schema.

partywise_results

Party
Won
Party ID

states

State ID
State

Constituencywise_details (cd)

Candidate
Party
EVM Votes
Postal Votes
Total Votes
% of Votes
Constituency ID

constituencywise_results

Parliament Constituency
Constituency Name
Winning Candidate
Total Votes
Margin
Constituency ID
Party ID

statewise_results

Constituency
Const. No.
Parliament Constituency
Leading Candidate
Trailing Candidate
Margin
Status
State ID
State

1. Total Seats

Query:

```sql
SELECT
DISTINCT COUNT (Parliament_constituency) AS Total_Seats
FROM constituencywise_results
```

Output:

Results	Messages

	Total_Seats
1	543

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

Query:

```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
```
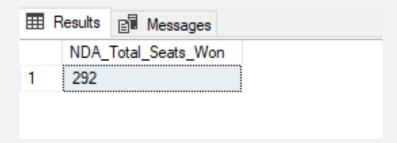
Output:

#	State_name	Total_Seats		#	State_name	Total_Seats
1	Andaman & Nicobar Islands	1		19	Lakshadweep	1
2	Andhra Pradesh	25		20	Madhya Pradesh	29
3	Arunachal Pradesh	2		21	Maharashtra	48
4	Assam	14		22	Manipur	2
5	Bihar	40		23	Meghalaya	2
6	Chandigarh	1		24	Mizoram	1
7	Chhattisgarh	11		25	Nagaland	1
8	Dadra & Nagar Haveli and Daman & Diu	2		26	Odisha	21
9	Delhi	7		27	Puducherry	1
10	Goa	2		28	Punjab	13
11	Gujarat	26		29	Rajasthan	25
12	Haryana	10		30	Sikkim	1
13	Himachal Pradesh	4		31	Tamil Nadu	39
14	Jammu and Kashmir	5		32	Telangana	17
15	Jharkhand	14		33	Tripura	2
16	Karnataka	28		34	Uttar Pradesh	80
17	Kerala	20		35	Uttarakhand	5
18	Ladakh	1		36	West Bengal	42

3. Total Seats Won by NDA Alliance.

   Query:

```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
```
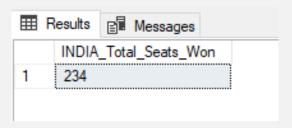
Output:

	NDA_Total_Seats_Won
1	292

4. Seats Won by NDA Alliance Parties.

Query:

```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
```

Output:

	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. Alliance.

Query:

```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
    partywise_results
```
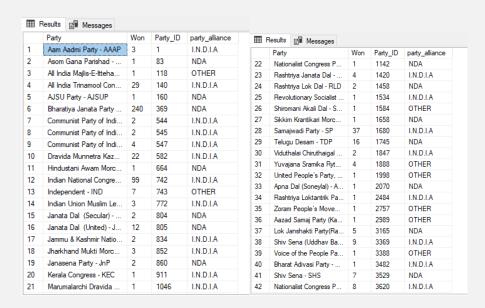
Output:

	INDIA_Total_Seats_Won
1	234

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

Query:

```sql
SELECT
    party as Party_Name,
    won as Seats_Won
FROM
    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
```

Output:
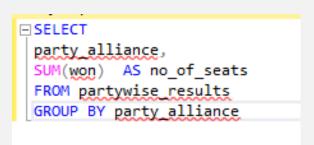
	Party_Name	Seats_Won
1	Indian National Congress - INC	99
2	Samajwadi Party - SP	37
3	All India Trinamool Congress - AITC	29
4	Dravida Munnetra Kazhagam - DMK	22
5	Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT	9
6	Nationalist Congress Party Sharadchandra Pawar - ...	8
7	Rashtriya Janata Dal - RJD	4
8	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
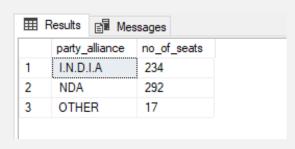
7. Add new column field in table partywise_results to get the Party Alliance as NDA, I.N.D.I.A and OTHER.

Query:

```sql
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',
    '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'
);
```

```sql
);

--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',
    '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;
```

Output:

	Party	Won	Party_ID	party_alliance
1	Aam Aadmi Party - AAAP	3	1	I.N.D.I.A
2	Asom Gana Parishad - ...	1	83	NDA
3	All India Majlis-E-Itteha...	1	118	OTHER
4	All India Trinamool Con...	29	140	I.N.D.I.A
5	AJSU Party - AJSUP	1	160	NDA
6	Bharatiya Janata Party ...	240	369	NDA
7	Communist Party of Indi...	2	544	I.N.D.I.A
8	Communist Party of Indi...	2	545	I.N.D.I.A
9	Communist Party of Indi...	4	547	I.N.D.I.A
10	Dravida Munnetra Kaz...	22	582	I.N.D.I.A
11	Hindustani Awam Morc...	1	664	NDA
12	Indian National Congre...	99	742	I.N.D.I.A
13	Independent - IND	7	743	OTHER
14	Indian Union Muslim Le...	3	772	I.N.D.I.A
15	Janata Dal (Secular) - ...	2	804	NDA
16	Janata Dal (United) - J...	12	805	NDA
17	Jammu & Kashmir Natio...	2	834	I.N.D.I.A
18	Jharkhand Mukti Morc...	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 ...	1	1046	I.N.D.I.A

	Party	Won	Party_ID	party_alliance
22	Nationalist Congress P...	1	1142	NDA
23	Rashtriya Janata Dal - ...	4	1420	I.N.D.I.A
24	Rashtriya Lok Dal - RLD	2	1458	NDA
25	Revolutionary Socialist ...	1	1534	I.N.D.I.A
26	Shiromani Akali Dal - S...	1	1584	OTHER
27	Sikkim Krantikari Morc...	1	1658	NDA
28	Samajwadi Party - SP	37	1680	I.N.D.I.A
29	Telugu Desam - TDP	16	1745	NDA
30	Viduthalai Chiruthaigal ...	2	1847	I.N.D.I.A
31	Yuvajana Sramika Ryt...	4	1888	OTHER
32	United People's Party, ...	1	1998	OTHER
33	Apna Dal (Soneylal) - A...	1	2070	NDA
34	Rashtriya Loktantrik Pa...	1	2484	I.N.D.I.A
35	Zoram People's Move...	1	2757	OTHER
36	Aazad Samaj Party (Ka...	1	2989	OTHER
37	Lok Janshakti Party(Ra...	5	3165	NDA
38	Shiv Sena (Uddhav Ba...	9	3369	I.N.D.I.A
39	Voice of the People Pa...	1	3388	OTHER
40	Bharat Adivasi Party - ...	1	3482	I.N.D.I.A
41	Shiv Sena - SHS	7	3529	NDA
42	Nationalist Congress P...	8	3620	I.N.D.I.A

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

Query:

```
SELECT
  party_alliance,
  SUM(won)  AS no_of_seats
FROM partywise_results
GROUP BY party_alliance
```

Output:

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

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

Query:

```sql
SELECT cr.Winning_Candidate, pr.Party, cr.Total_Votes, cr.Margin, cr.Constituency_Name, s.state
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'
```

Output:

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

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

Query:

```
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 = 'AMETHI'
```

Output:

	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 MIS...	AMETHI
14	9371	12	9383	NOTA	AMETHI
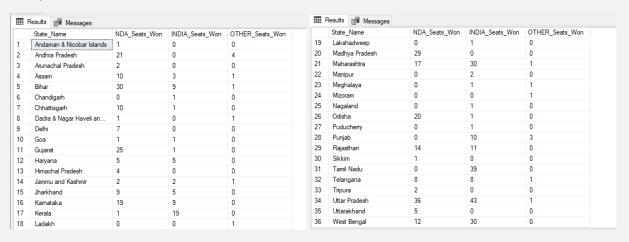
11. Which parties won the most seats in a State, and how many seats did each party win?

Query:

```sql
SELECT
    pr.Party,
    COUNT(cr.Constituency_ID) AS Seats_Won
FROM
    constituencywise_results cr
JOIN
    partywise_results pr ON cr.Party_ID = pr.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 = 'Maharashtra'
GROUP BY
    pr.Party
ORDER BY
    Seats_Won DESC;
```

Output:

Results | Messages

	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

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

Query:

```
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
JOIN
    partywise_results pr ON cr.Party_ID = pr.Party_ID
JOIN
    statewise_results sr ON cr.Parliament_Constituency = sr.Parliament_Constituency
JOIN
    states s ON sr.State_ID = s.State_ID
WHERE
    pr.party_alliance IN ('NDA', 'I.N.D.I.A', 'OTHER')
GROUP BY
    s.State
ORDER BY
    s.State;
```

Output:

	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 an...	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)?

Query:

```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 cr.Constituency_ID = cd.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;
```

Output:

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

Query:

```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,
    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;
```

Output:

	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 WA...	NAVNEET RAVI RANA
4	AURANGABAD	BHUMARE SANDIPANRA...	IMTIAZ JALEEL SYED
5	BARAMATI	SUPRIYA SULE	SUNETRA AJITDADA PAWAR
6	BEED	BAJRANG MANOHAR SO...	PANKAJA GOPINATHRAO MUNDE
7	BHANDARAGON...	DR. PRASHANT YADAOR...	SUNIL BABURAO MENDHE
8	BHIWANDI	BALYA MAMA - SURESH ...	KAPIL MORESHWAR PATIL
9	BULDHANA	JADHAV PRATAPRAO GA...	NARENDRA DAGDU KHEDEKAR
10	CHANDRAPUR	DHANORKAR PRATIBHA ...	MUNGANTIWAR SUDHIR SACCHIDANA...
11	DHULE	BACHHAV SHOBHA DINE...	BHAMRE SUBHASH RAMRAO
12	DINDORI	BHASKAR MURLIDHAR B...	DR. BHARATI PRAVIN PAWAR
13	GADCHIROLI-CHI...	DR. KIRSAN NAMDEO	ASHOK MAHADEORAO NETE
14	HATKANANGALE	DHAIRYASHEEL SAMBHA...	SATYAJEET BABASAHEB PATIL (AABA) ...
15	HINGOLI	AASHTIKAR PATIL NAGE...	BABURAO KADAM KOHALIKAR
16	JALGAON	SMITA UDAY WAGH	KARAN BALASAHEB PATIL - PAWAR
17	JALNA	KALYAN VAIJINATHRAO ...	DANVE RAOSAHEB DADARAO
18	KALYAN	DR SHRIKANT EKNATH S...	VAISHALI DAREKAR - RANE
19	KOLHAPUR	CHHATRAPATI SHAHU S...	SANJAY SADASHIVRAO MANDLIK
20	LATUR	DR. KALGE SHIVAJI BAN...	SUDHAKAR TUKARAM SHRANGARE
21	MADHA	MOHITE-PATIL DHAIRYA...	RANJEETSINGH HINDURAO NAIK NIMB...
22	MAVAL	SHRIRANG APPA CHAND...	SANJOG BHIKU WAGHERE PATIL
23	MUMBAINORTH	PIYUSH GOYAL	BHUSHAN PATIL
24	MUMBAINORTH...	GAIKWAD VARSHA EKNA...	ADV UJWAL NIKAM

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

15. <u>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?</u>

Query:

```sql
SELECT
    COUNT(DISTINCT cr.Constituency_ID) AS Total_Seats,
    COUNT(DISTINCT cd.Candidate) AS Total_Candidates,
    COUNT(DISTINCT pr.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 pr ON cr.Party_ID = pr.Party_ID
WHERE
    s.State = 'Maharashtra';
```

Output:

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