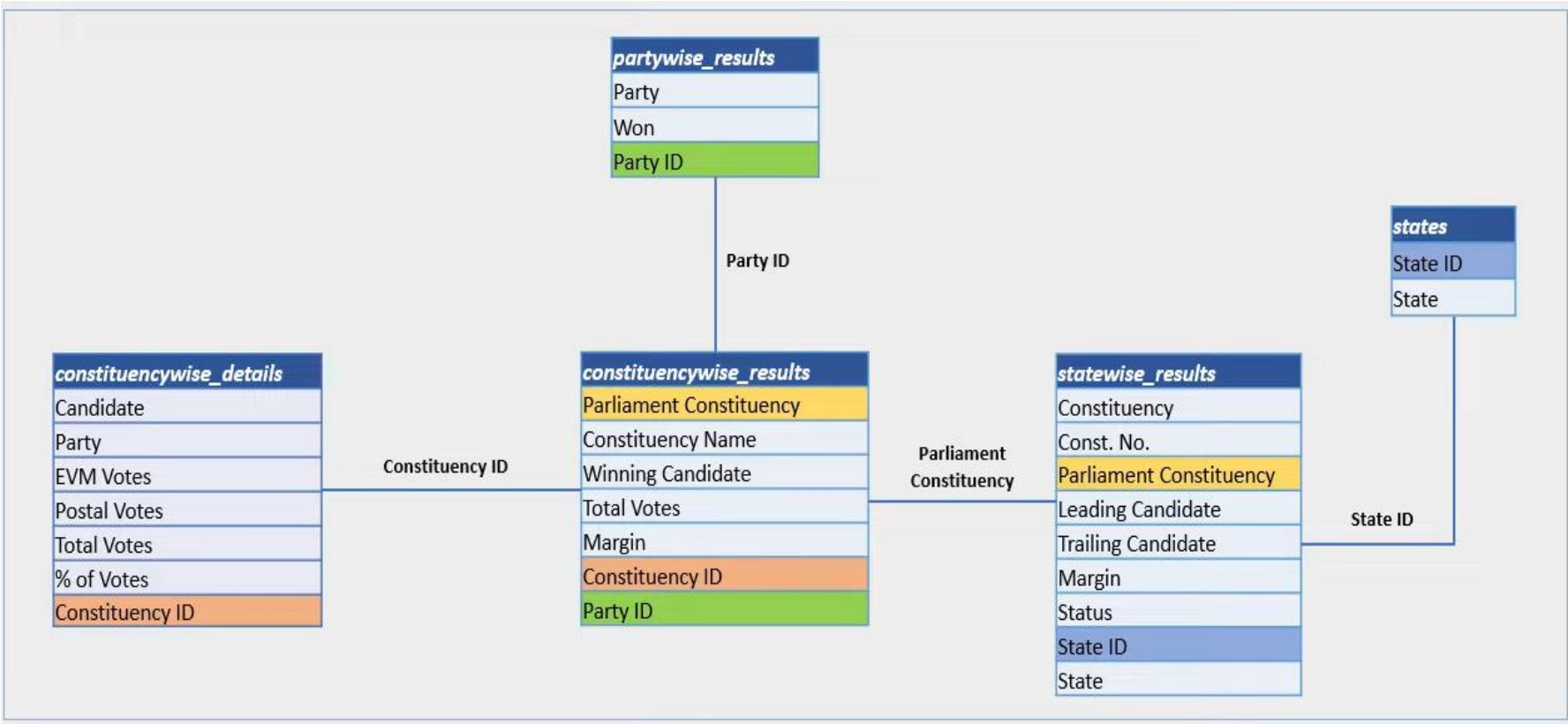


SQL PROJECT (QUERY DOCUMENT)

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?
11. Which parties Won the most seats in a state, and how many seats did each party win?
12. What is the total number of seats won by each party alliance (NDA, I.N.D.I.A, and OTHER) in each state for the India Elections 2024
13. Which candidate received the highest number of EVM votes in each constituency (Top 10)?



PROBLEM STATEMENTS

1. Total Seats:

```
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

```
-- short From I use
-- 1. constituency_results= (cr)
-- 2. constituency_details= (cd)
-- 3. partrywise_results = (pr)
-- 4. statewide_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	Kamataka	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)

```
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

```
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;
```

	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)

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

Results		Messages	
		INDIA_Total_Seats_Won	
1	234		

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

```

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 - 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;
```

ResultsMessages

	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) (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

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

ResultsMessages

	Party	Won	Party_ID	party_allianz
1	Aam Aadmi Party - AAP	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	562	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-Itehadul 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) (I	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;
```

Results

Messages

	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?

```
select cr.winning_candidate
,pr.party
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 constituency_name = 'ANANTHAPUR'
```

Results Messages		
	winning_candidate	party
1	AMBICA G LAKSHMINARAYANA VALMIKI	Telugu Desam - TDP

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

Constituency_Name= “ANANTHAPUR”

```
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 = 'ANANTHAPUR'
ORDER BY cd.Total_Votes DESC;
```

Results

Messages

	EVM_votes	postal_votes	total_votes	candidate	constituency_name
1	755862	12383	768245	AMBICA G LAKSHMINARAYANA VALMIKI	ANANTHAPUR
2	573769	5921	579690	MALAGUNDLA SANKAR NARAYANA	ANANTHAPUR
3	41954	1263	43217	MALLIKARJUNA VAJJALA	ANANTHAPUR
4	6436	3	6439	G.V.RAMANA REDDY	ANANTHAPUR
5	6280	116	6396	BANASI NARAYANAPPA	ANANTHAPUR
6	5775	3	5778	V.MURALI PRASAD REDDY	ANANTHAPUR
7	4862	127	4989	DR.NALLANI RAMESH NAIDU	ANANTHAPUR
8	2927	8	2935	M.SURENDRA	ANANTHAPUR
9	2533	7	2540	U.C.VENKATASUBBAIAH	ANANTHAPUR
10	1514	4	1518	P.CHOWDESWARI	ANANTHAPUR
11	1488	6	1494	VADLA KESAVAIAH	ANANTHAPUR
12	1317	1	1318	B.RAGHAVENDRA PRASAD	ANANTHAPUR
13	1086	5	1091	KETHIREDDY RAGHUNATHAREDDY	ANANTHAPUR
14	1085	6	1091	LOKANATH GOWD SURAGOWINI	ANANTHAPUR
15	903	1	904	SREERANGARAJULA GOPINATH ROYAL	ANANTHAPUR
16	749	4	753	SHAIK.NIZAM	ANANTHAPUR
17	735	10	745	RAMAVTH CHINNA RAMAPPA NAIK	ANANTHAPUR
18	574	4	578	KURUBA MALLIKARJUNA.S.	ANANTHAPUR
19	566	4	570	B.NAGAMUTHYALU	ANANTHAPUR
20	489	5	494	SRINIVASA RAJU.O	ANANTHAPUR
21	439	5	444	DURGA PRASAD D BYATARAYANAJI	ANANTHAPUR
22	9014	185	9199	NOTA	ANANTHAPUR

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

State = “Andhra Pradesh”

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


<div><div>Results</div><div>Messages</div></div>		
	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

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

```
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;
```

<div><div>Results</div><div>Messages</div></div>				
	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	Puduchery	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. For the state of ANDHRA PRADESH, what are the total number of seats
total number of candidates,
total number of parties,
total votes (including EVM and postal),
and the breakdown of EVM and postal votes?

```
select
count(distinct cr.constituency_id) as total_seats,
count(distinct cd.Candidate) as total_candidates,
count(distinct 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
    statewide_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='ANDHRA PRADESH'
```

<div>ResultsMessages</div>						
	total_seats	total_candidates	total_parties	total_votes	total_evm_votes	total_postal_votes
1	25	455	4	33729342	33258505	470837