**INDIA GENERAL ELECTIONS 2024**

**PROBLEM STATEMENT**

1. TOTAL SEATS
2. TOTAL NO OF SEATS FOR EACH STATE
3. TOTAL SEATS WON BY NDA ALLIANCE
4. SEATS WON BY NDA ALLIANCE PARTIES
5. TOTAL SEATS WON BY INDIAN NATIONAL DEVELOPMENTAL INCLUSIVE ALLIANCE (I.N.D.I.A)
6. TOTAL SEATS WON BY INDIAN NATIONAL DEVELOPMENTAL INCLUSIVE ALLIANCE (I.N.D.I.A) PARTIES
7. ADD A COLUMN FOR PARTY ALLIANCE IN PARTYWISE\_RESULTS TABLE
8. WHICH PARTY ALLIANCE WON THE MOST NO OF SEATS ACROSS ALL THE STATES
9. WINNING CANDIDATE'S NAME, THEIR PARTY NAME, TOTAL VOTES, MARGIN OF VICTORY FOR A SPECIFIC STATE AND CONSTITUENCY
10. WHAT IS THE DISTRIBUTION OF EVM VOTES VERSUS POSTAL VOTES FOR CANDIDATES IN A SPECIFIC CONSTITUENCY
11. WHICH PARTY WON THE MOST NUMBER OF SEATS IN A STATE AND HOW MANY SEATS DID EACH PARTY WIN
12. TOTAL NO OF SEATS WON BY EACH PARTY ALLIANCE IN EACH STATE FOR INDIAN ELECTIONS 2024
13. WHICH CANDIDATE RECEIVED THE HIGHEST NUMBER OF EVM VOTES IN EACH CONSTITUENCY (TOP 10)
14. WHICH CANDIDATE WON AND WHICH CANDIDATE WAS A RUNNER UP IN EACH CONSTITUENCY OF STATE
15. FOR THE STATE OF ANDHRA PRADESH, WHAT ARE THE TOTAL NO OF SEATS, TOTAL NO OF CANDIDATES, TOTAL NO OF PARTIES, TOTAL VOTES (INCLUDING EVM AND POSTAL) AND THE BREAKDOWN OF EVM AND POSTAL.
16. **TOTAL SEATS**

SELECT

DISTINCT COUNT(Parliament\_Constituency) AS Total\_Seats

FROM constituencywise\_results;



1. **TOTAL NO OF SEATS FOR EACH STATE**

SELECT

s.state AS State,

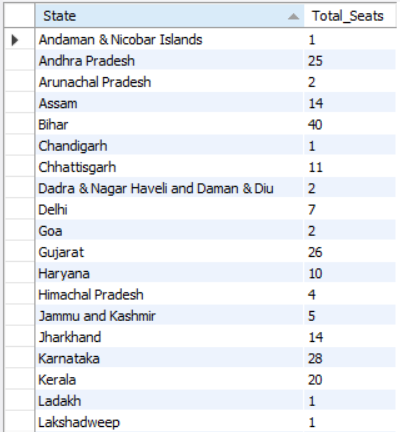
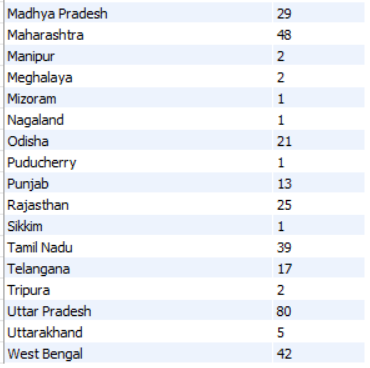
COUNT(cr.Parliament\_Constituency) AS Total\_Seats

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. **TOTAL SEATS WON BY NDA ALLIANCE**

SELECT

SUM(CASE

WHEN party IN (

'Bharatiya Janata Party - BJP',

'Telugu Desam - TDP',

'Janata Dal (Secular) - JD(S)',

'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',

'Lok Janshakti Party(Ram Vilas) - LJPRV',

'Rashtriya Lok Dal - RLD',

'Sikkim Krantikari Morcha - SKM',

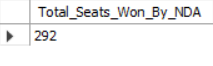
'Nationalist Congress Party - NCP'

) THEN Won

ELSE 0

END) AS Total\_Seats\_Won\_By\_NDA

FROM partywise\_results;



1. **SEATS WON BY NDA ALLIANCE PARTIES**

SELECT

Party, Won as Seats\_Won

FROM partywise\_results

WHERE party IN

(

'Bharatiya Janata Party - BJP',

'Telugu Desam - TDP',

'Janata Dal (Secular) - JD(S)',

'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',

'Lok Janshakti Party(Ram Vilas) - LJPRV',

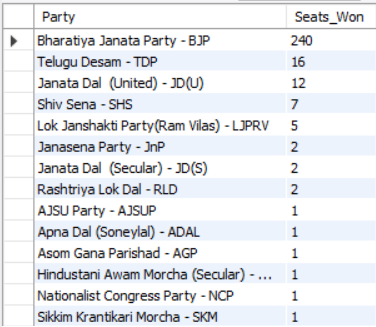
'Rashtriya Lok Dal - RLD',

'Sikkim Krantikari Morcha - SKM',

'Nationalist Congress Party - NCP'

)

ORDER BY Seats\_Won DESC, Party;



1. **TOTAL SEATS WON BY Indian National Developmental Inclusive Alliance (I.N.D.I.A)**

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 Seats\_Won\_By\_INDIAlliance

FROM partywise\_results;



1. **TOTAL SEATS WON BY Indian National Developmental Inclusive Alliance (I.N.D.I.A) Parties**

SELECT

Party,

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',

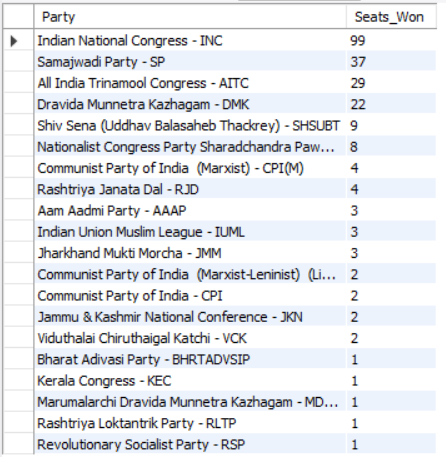
'Samajwadi Party - SP',

'Shiv Sena (Uddhav Balasaheb Thackrey) - SHSUBT',

'Viduthalai Chiruthaigal Katchi - VCK'

)

ORDER BY Seats\_Won Desc, Party;



1. **ADD NEW COLUMN 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);

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'

);

UPDATE partywise\_results SET Party\_Alliance = "NDA"

WHERE party IN (

'Bharatiya Janata Party - BJP',

'Telugu Desam - TDP',

'Janata Dal (Secular) - JD(S)',

'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',

'Lok Janshakti Party(Ram Vilas) - LJPRV',

'Rashtriya Lok Dal - RLD',

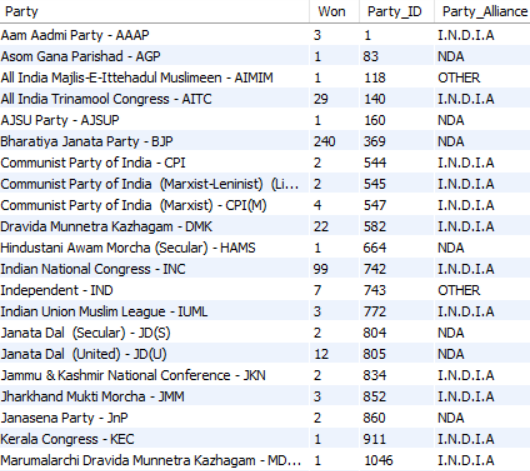
'Sikkim Krantikari Morcha - SKM',

'Nationalist Congress Party - NCP'

);

UPDATE partywise\_results SET Party\_Alliance = "OTHER"

WHERE Party\_Alliance IS NULL;





1. **WHICH PARTY ALLIANCE WON THE MOST NO OF SEATS ACROSS ALL THE STATES**

SELECT

Party\_Alliance, SUM(Won) as Seats\_Won

FROM partywise\_results

GROUP BY Party\_Alliance

ORDER BY SUM(WON) DESC

LIMIT 1;



1. **WINNING CANDIDATE'S NAME, THEIR PARTY NAME, TOTAL VOTES, 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 = "ANAKAPALLE";



1. **WHAT IS THE DISTRIBUTION OF EVM VOTES VS POSTAL VOTES FOR CANDIDATES IN A SPECIFIC CONSTITUENCY**

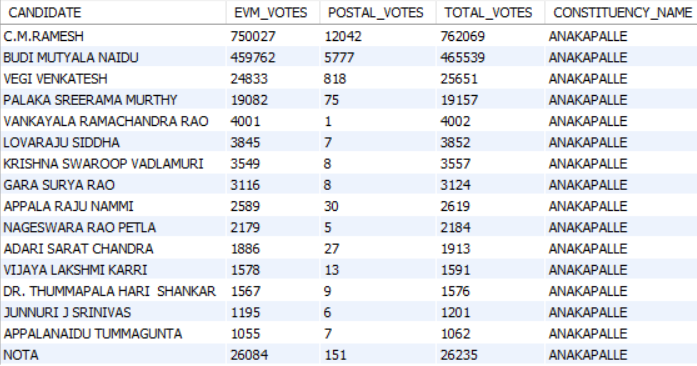
SELECT

CD.CANDIDATE, CD.EVM\_VOTES, CD.POSTAL\_VOTES, CD.TOTAL\_VOTES, CR.CONSTITUENCY\_NAME

FROM CONSTITUENCYWISE\_DETAILS CD

JOIN CONSTITUENCYWISE\_RESULTS CR ON CR.CONSTITUENCY\_ID = CD.CONSTITUENCY\_ID

WHERE CR.CONSTITUENCY\_NAME = "ANAKAPALLE";



1. **WHICH PARTIES WON THE MOST NUMBER OF SEATS IN A STATE AND HOW MANY SEATS DID EACH PARTY WIN**

SELECT

PR.PARTY, COUNT(CR.CONSTITUENCY\_ID) AS SEATS\_WON

FROM PARTYWISE\_RESULTS PR

INNER JOIN CONSTITUENCYWISE\_RESULTS CR ON PR.PARTY\_ID = CR.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. **TOTAL NO OF SEATS WON BY EACH PARTY ALLIANCE IN EACH STATE FOR INDIAN ELECTIONS 2024**

SELECT

S.STATE,

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

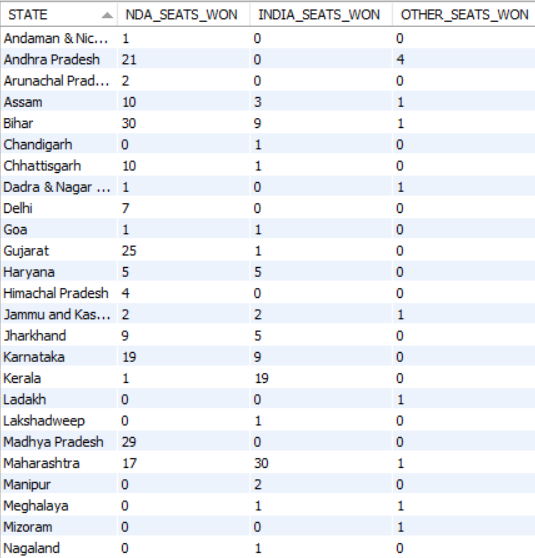
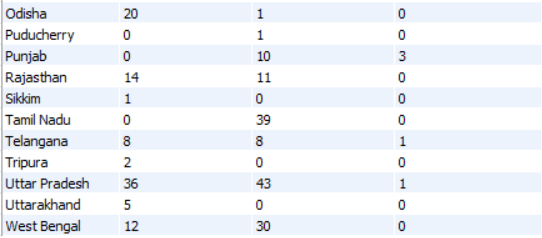
FROM PARTYWISE\_RESULTS PR

INNER JOIN CONSTITUENCYWISE\_RESULTS CR ON PR.PARTY\_ID = CR.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;

1. **WHICH CANDIDATE RECEIVED THE HIGHEST NUMBER OF EVM VOTES IN EACH CONSTITUENCY (TOP 10)**

SELECT

CD.CANDIDATE, CD.CONSTITUENCY\_ID, CR.CONSTITUENCY\_NAME, 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 CD.CONSTITUENCY\_ID = CD1.CONSTITUENCY\_ID

)

ORDER BY CD.EVM\_VOTES DESC LIMIT 10;

****

1. **WHICH CANDIDATE WON AND WHICH CANDIDATE WAS A RUNNER UP IN EACH CONSTITUENCY OF STATE**

WITH RANKED\_CANDIDATES AS

(

SELECT CD.CONSTITUENCY\_ID, CD.CANDIDATE, CD.PARTY, CD.EVM\_VOTES, CD.POSTAL\_VOTES, CD.TOTAL\_VOTES,

ROW\_NUMBER() OVER

(

PARTITION BY CD.CONSTITUENCY\_ID ORDER BY CD.TOTAL\_VOTES DESC

) AS VOTE\_RANK

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 = 'ANDHRA PRADESH'

)

SELECT

CR.CONSTITUENCY\_NAME,

MAX(CASE WHEN RC.VOTE\_RANK = 1 THEN RC.CANDIDATE END) AS WINNING\_CANDIDATE,

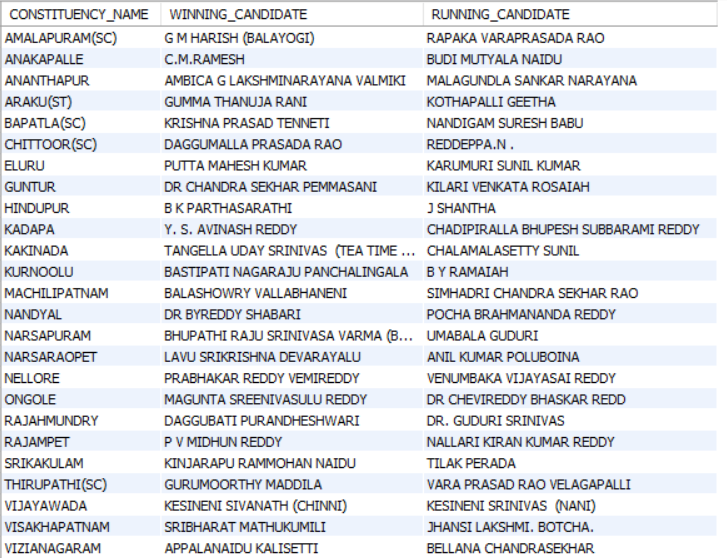
MAX(CASE WHEN RC.VOTE\_RANK = 2 THEN RC.CANDIDATE END) AS RUNNING\_CANDIDATE

FROM RANKED\_CANDIDATES RC

JOIN CONSTITUENCYWISE\_RESULTS CR ON RC.CONSTITUENCY\_ID = CR.CONSTITUENCY\_ID

GROUP BY CR.CONSTITUENCY\_NAME

ORDER BY CR.CONSTITUENCY\_NAME;



1. **FOR THE STATE OF ANDHRA PRADESH, WHAT ARE THE TOTAL NO OF SEATS, TOTAL NO OF CANDIDATES, TOTAL NO OF PARTIES, TOTAL VOTES (INCLUDING EVM AND POSTAL) AND THE BREAKDOWN OF EVM AND POSTAL.**

SELECT

COUNT(DISTINCT CD.CONSTITUENCY\_ID) AS TOTAL\_SEATS,

COUNT(DISTINCT CD.CANDIDATE) AS TOTAL\_CANDIDATES,

COUNT(DISTINCT CD.PARTY) AS TOTAL\_PARTIES,

SUM(CD.TOTAL\_VOTES) AS TOTAL\_VOTES,

SUM(CD.EVM\_VOTES) AS EVM\_VOTES,

SUM(CD.POSTAL\_VOTES) AS POSTAL\_VOTES

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 = "ANDHRA PRADESH";



THANK YOU FOR YOUR TIME. 😊

-Jyothsna Sontyana