**Project Output:**

-- 1. Total Seats

select distinct count(Parliament\_Constituency) as Total\_Seats from constituencywise\_results

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

Select

c.State as State\_Name, count(a.Parliament\_Constituency) as Total\_Seats

from constituencywise\_results a

join statewise\_results b

on a.Parliament\_Constituency = b.Parliament\_Constituency

join states c

on b.State\_ID = c.State\_ID

group by c.State

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-- 3. Total Seats Won by NDA Alliance

select sum(Won) as NDA\_Seats\_Won

from partywise\_results

where Party In ('Bharatiya Janata Party - BJP',

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

'Apna Dal (Soneylal) - ADAL',

'Rashtriya Loktantrik Party - RLTP',

'Asom Gana Parishad - AGP',

'Telugu Desam - TDP',

'Shiv Sena - SHS',

'AJSU Party - AJSUP',

'Rashtriya Lok Dal - RLD',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

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

'Sikkim Krantikari Morcha - SKM',

'Janata Dal (United) - JD(U)')

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-- 4. Seats won by NDA Alliance Parties

select Party as Party\_Name , Won as Total\_Seats

from partywise\_results

where Party in ('Bharatiya Janata Party - BJP',

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

'Apna Dal (Soneylal) - ADAL',

'Rashtriya Loktantrik Party - RLTP',

'Asom Gana Parishad - AGP',

'Telugu Desam - TDP',

'Shiv Sena - SHS',

'AJSU Party - AJSUP',

'Rashtriya Lok Dal - RLD',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

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

'Sikkim Krantikari Morcha - SKM',

'Janata Dal (United) - JD(U)')

order by Total\_Seats desc  
  
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-- 5. Total Seats Won By I.N.D.I.A Alliance

select sum(Won) as Total\_INDIA\_Seats\_Won

from partywise\_results

where Party not In ('Bharatiya Janata Party - BJP',

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

'Apna Dal (Soneylal) - ADAL',

'Rashtriya Loktantrik Party - RLTP',

'Asom Gana Parishad - AGP',

'Telugu Desam - TDP',

'Shiv Sena - SHS',

'AJSU Party - AJSUP',

'Rashtriya Lok Dal - RLD',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

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

'Sikkim Krantikari Morcha - SKM',

'Janata Dal (United) - JD(U)',

'Independent - IND',

'Voice of the People Party - VOTPP',

'Bharat Adivasi Party - BHRTADVSIP',

'Zoram People’s Movement - ZPM',

'Aazad Samaj Party (Kanshi Ram) - ASPKR',

'All India Majlis-E-Ittehadul Muslimeen - AIMIM',

'Shiromani Akali Dal - SAD',

'Yuvajana Sramika Rythu Congress Party - YSRCP'

)

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-- 6. Seats Won By I.N.D.I.A Alliance Parties

select Party as Party\_Name ,Won as Total\_INDIA\_Seats\_Won

from partywise\_results

where Party not In ('Bharatiya Janata Party - BJP',

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

'Apna Dal (Soneylal) - ADAL',

'Rashtriya Loktantrik Party - RLTP',

'Asom Gana Parishad - AGP',

'Telugu Desam - TDP',

'Shiv Sena - SHS',

'AJSU Party - AJSUP',

'Rashtriya Lok Dal - RLD',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

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

'Sikkim Krantikari Morcha - SKM',

'Janata Dal (United) - JD(U)',

'Independent - IND',

'Voice of the People Party - VOTPP',

'Bharat Adivasi Party - BHRTADVSIP',

'Zoram People’s Movement - ZPM',

'Aazad Samaj Party (Kanshi Ram) - ASPKR',

'All India Majlis-E-Ittehadul Muslimeen - AIMIM',

'Shiromani Akali Dal - SAD',

'Yuvajana Sramika Rythu Congress Party - YSRCP'

)

order by Total\_INDIA\_Seats\_Won desc  
  
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-- 7. Add new cloumn field in partywise\_results to get the Party Alliance as NDA , INDIA & Others

Alter table partywise\_results

ADD Party\_Alliance varchar(100);

update partywise\_results

set Party\_Alliance = 'NDA'

where Party In ('Bharatiya Janata Party - BJP',

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

'Apna Dal (Soneylal) - ADAL',

'Rashtriya Loktantrik Party - RLTP',

'Asom Gana Parishad - AGP',

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'Rashtriya Lok Dal - RLD',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

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

'Sikkim Krantikari Morcha - SKM',

'Janata Dal (United) - JD(U)');

update partywise\_results

set Party\_Alliance = 'I.N.D.I.A'

where Party not In ('Bharatiya Janata Party - BJP',

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

'Apna Dal (Soneylal) - ADAL',

'Rashtriya Loktantrik Party - RLTP',

'Asom Gana Parishad - AGP',

'Telugu Desam - TDP',

'Shiv Sena - SHS',

'AJSU Party - AJSUP',

'Rashtriya Lok Dal - RLD',

'Hindustani Awam Morcha (Secular) - HAMS',

'Janasena Party - JnP',

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

'Sikkim Krantikari Morcha - SKM',

'Janata Dal (United) - JD(U)',

'Independent - IND',

'Voice of the People Party - VOTPP',

'Bharat Adivasi Party - BHRTADVSIP',

'Zoram People’s Movement - ZPM',

'Aazad Samaj Party (Kanshi Ram) - ASPKR',

'All India Majlis-E-Ittehadul Muslimeen - AIMIM',

'Shiromani Akali Dal - SAD',

'Yuvajana Sramika Rythu Congress Party - YSRCP'

)

-- update partywise\_results

-- set Party\_Alliance = 'OTHER'

-- where Party\_Alliance is NULL;

update partywise\_results

set Party\_Alliance = 'OTHER'

where Party\_Alliance = 'Others';

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-- 8. which party alliance won most seats across all states

select Party\_Alliance, SUM(Won) as Total\_Seats

from partywise\_results

group by Party\_Alliance

order by Total\_Seats desc  
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-- 9. Winning candidate's name, their party name, total votes, and the margin of victory for a specific state and constituency?

select a.Winning\_Candidate, a.Constituency\_Name , a.Parliament\_Constituency , a.Total\_Votes , a.Margin , b.Party\_alliance

from constituencywise\_results a

join partywise\_results b

on a.Party\_ID = b.Party\_ID

join statewise\_results c

on a.Parliament\_Constituency = c.Parliament\_Constituency

join states d

on d.State\_ID = c.State\_ID

where a.Constituency\_Name='AGRA'  
  
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-- 10. what is the distribution of EVM votes versus postal votes for candidates in a specific constituency

select a.Candidate, a.EVM\_Votes , a.Postal\_Votes, a.Total\_Votes, b.Constituency\_Name

from constituencywise\_details a

join constituencywise\_results b

on a.Constituency\_ID = b.Constituency\_ID

where b.Constituency\_Name = 'AMETHI'  
  
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-- 11. Which parties won the most seats in a state, and how many seats did each party win

select a.Party as Party\_Name ,count(a.Won) as Seats\_Won

from partywise\_results a

join constituencywise\_results b

on a.Party\_ID = b.Party\_ID

join statewise\_results c

on c.Parliament\_Constituency = b.Parliament\_Constituency

join states d

on d.State\_ID = c.State\_ID

where d.State = 'Karnataka'

group by a.Party

order by Seats\_Won desc  
  
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-- 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 d.state ,

sum(case when a.Party\_Alliance = 'NDA ' then 1 else 0 end) as NDA\_Seats\_Won,

sum(case when a.Party\_Alliance = 'I.N.D.I.A' then 1 else 0 end) as INDIA\_Seats\_Won,

sum(case when a.Party\_Alliance = 'OTHER' then 1 else 0 end) as Other\_Seats\_Won

from partywise\_results a

join constituencywise\_results b

on a.Party\_ID = b.Party\_ID

join statewise\_results c

on c.Parliament\_Constituency = b.Parliament\_Constituency

join states d

on d.State\_ID = c.State\_ID

group by d.State  
  
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-- 13. Which candidate received the highest number of EVM votes in each constituency (Top 10)?

select Top 10

a.Candidate , a.Constituency\_ID , b.Constituency\_Name, a.EVM\_Votes

from constituencywise\_details a

join constituencywise\_results b

on a.Constituency\_ID = b.Constituency\_ID

where a.EVM\_Votes =

(

select MAX(a1.EVM\_Votes)

from constituencywise\_details a1

where a1.Constituency\_ID = a.Constituency\_ID

)

order by a.EVM\_Votes desc  
  
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-- 14. Which candidate won and which candidate was the runner-up in each constituency of State for the 2024 elections?

with RankedCandidates as

( select

a.Constituency\_ID ,

a.Constituency\_Name ,

b.Candidate,

a.Total\_Votes,

Row\_Number() over (partition by a.Constituency\_ID order by a.Total\_Votes desc) as VoteRank

from constituencywise\_results a

join constituencywise\_details b

on a.Constituency\_ID = b.Constituency\_ID

join statewise\_results c

on c.Parliament\_Constituency = a.Parliament\_Constituency

join states d

on d.State\_ID = c.State\_ID

where d.State = 'Karnataka'

)

select vr.Constituency\_Name,

max(case when vr.VoteRank = 1 then vr.Candidate end) as Wininnig\_Candidate,

max(case when vr.VoteRank = 2 then vr.Candidate end) as Runnerup\_Candidate

from RankedCandidates vr

group by vr.Constituency\_Name

order by vr.Constituency\_Name

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-- 15. For the state of Karnataka, 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 a.Constituency\_ID) as Total\_Seat,

count(distinct e.Candidate) as Total\_Candidate,

count(distinct c.Party) as Total\_parties,

SUM(e.EVM\_Votes + e.Postal\_Votes) AS Total\_Votes,

SUM(e.EVM\_Votes) AS Total\_EVM\_Votes,

SUM(e.Postal\_Votes) AS Total\_Postal\_Votes

from constituencywise\_results a

join constituencywise\_details e

on a.Constituency\_ID = e.Constituency\_ID

join statewise\_results b

on a.Parliament\_Constituency = b.Parliament\_Constituency

join partywise\_results c

on c.Party\_ID = a.Party\_ID

join states d

on b.State\_ID = d.State\_ID

where d.State = 'Karnataka'

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