**INDIA GENERAL ELECTION SQL QUERIES**

1. To find the total number of seats in General Elections in India:

SELECT DISTINCT COUNT(Parliament\_Constituency) As Total\_Seats

FROM constituencywise\_results

1. To find the total number of seats available for election in each state:

SELECT

    s.State AS State\_Name,

    COUNT(cr.Constituency\_ID) AS Total\_Seats\_Available

    FROM

    constituencywise\_results cr

    JOIN

    statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

    JOIN

    states s ON sr.State\_ID = s.State\_ID

    GROUP BY s.State

    ORDER BY s.State;

1. To find 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;

1. To find total 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;

1. To find total seats won by I.N.D.IA. Alliance:

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 - CPI',

'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',

'Communist Party of India (Marxist) - CPI(M)',

'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')

THEN [Won]

ELSE 0

END) AS INDIA\_Total\_Seats\_Won

FROM partywise\_results;

1. To find total seats won by I.N.D.IA. Alliance Parties:

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 - CPI',

'Communist Party of India (Marxist-Leninist) (Liberation) - CPI(ML)(L)',

'Communist Party of India (Marxist) - CPI(M)',

'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')

ORDER BY Seats\_won DESC;

1. To segregate the Parties into respective alliances - NDA, INDIA and Others:

ALTER TABLE partywise\_results

ADD party\_alliance VARCHAR(50)

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');

UPDATE partywise\_results

SET party\_alliance = 'INDIA'

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'

);

UPDATE partywise\_results

SET party\_alliance = 'Others'

WHERE party\_alliance IS NULL;

1. To find out which party alliance(NDA, INDIA, or Others) won the most number of seats:

SELECT party\_alliance,

SUM(Won) AS Total\_Seats\_Won

FROM partywise\_results

GROUP BY party\_alliance

ORDER BY Total\_Seats\_Won DESC;

1. To find out winning candidate’s name, their party name, total votes, and margin of victory for a specific state and constituency:

SELECT

cr.Winning\_Candidate,

pr.Party,

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 = 'LUDHIANA'

1. To find out the distribution of EVM votes vs Postal votes for candidates in a specific constituency:

SELECT

cd.Candidate,

cr.Constituency\_Name,

cd.EVM\_Votes,

cd.Postal\_Votes,

cd.Total\_Votes

FROM constituencywise\_results cr INNER JOIN constituencywise\_details cd

ON cr.Constituency\_ID = cd.Constituency\_ID

WHERE cr.Constituency\_Name = 'LUDHIANA';

1. To find out which party won the most seats in a state, and how many seats did each party win in that state:

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

statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

JOIN states s ON sr.State\_ID = s.State\_ID

WHERE

s.state = 'Punjab'

GROUP BY

p.Party

ORDER BY

Seats\_Won DESC;

1. To find out the total number of seats won by each party Alliance(NDA, INDIA, or Others) in each state:

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 = 'INDIA' THEN 1 ELSE 0 END) AS INDIA\_Seats\_Won,

SUM(CASE WHEN p.party\_alliance = 'Others' THEN 1 ELSE 0 END) AS Others\_Seats\_Won

FROM

constituencywise\_results cr

JOIN

partywise\_results p ON cr.Party\_ID = p.Party\_ID

JOIN

statewise\_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', 'INDIA', 'Others')

GROUP BY

s.State

ORDER BY

s.State;

13) To find out the Top 10 candidates who received maximum number of EVM votes along with their constituency name:

SELECT TOP 10

cr.Constituency\_Name,

cd.Constituency\_ID,

cd.Candidate,

cd.EVM\_Votes

FROM constituencywise\_details cd

INNER 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;

1. To find out which candidate won and which candidate was the runner-up in each constituency:

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

INNER JOIN

constituencywise\_results cr ON cd.Constituency\_ID = cr.Constituency\_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 = 'Punjab'

)

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;

1. To find out what are the total number of seats, total candidates, total parties, total EVM votes, total Postal votes, total votes(EVM + Postal) for a particular state:

SELECT

COUNT( DISTINCT cd.Candidate) AS Total\_Candidates,

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

COUNT(DISTINCT cd.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

INNER JOIN constituencywise\_details cd ON cr.Constituency\_ID = cd.Constituency\_ID

INNER JOIN statewise\_results sr ON cr.Parliament\_Constituency = sr.Parliament\_Constituency

INNER JOIN states s ON sr.State\_ID = s.State\_ID

INNER JOIN partywise\_results p ON cr.Party\_ID = p.Party\_ID

WHERE s.State = 'Punjab';