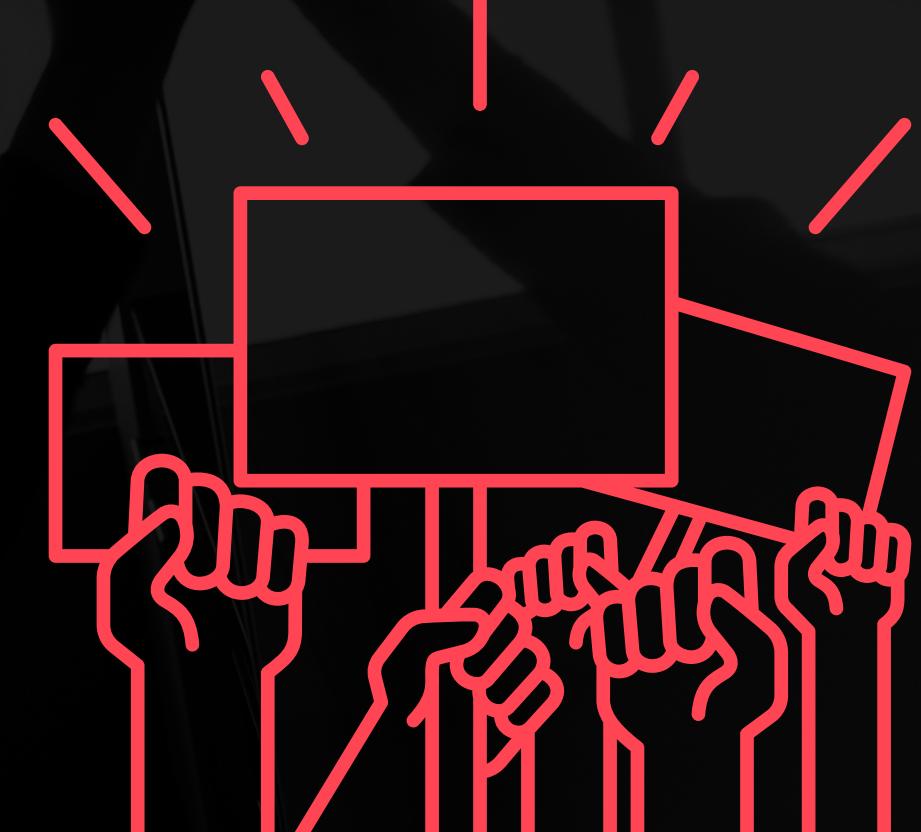


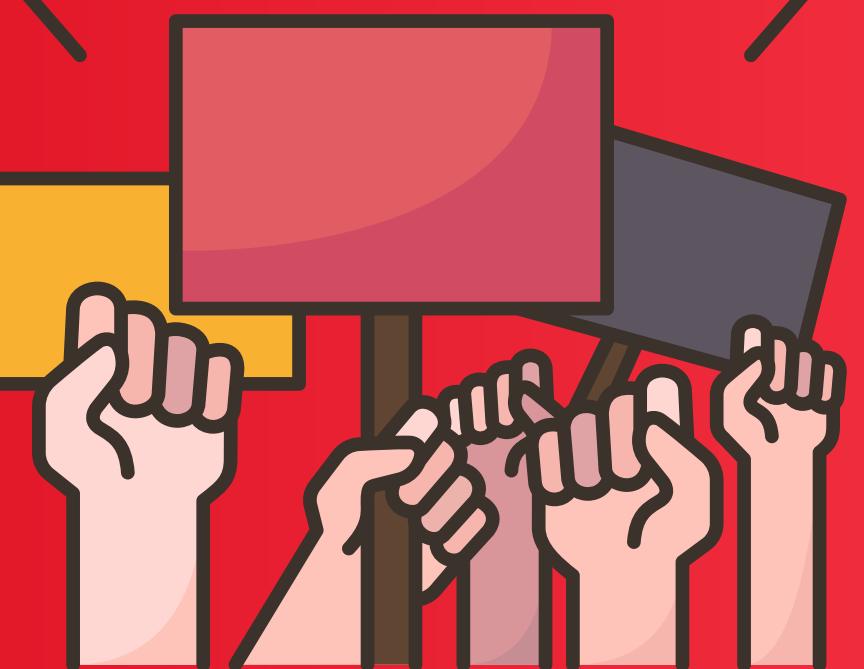
SQL

ELECTION RESULT ANALYSIS

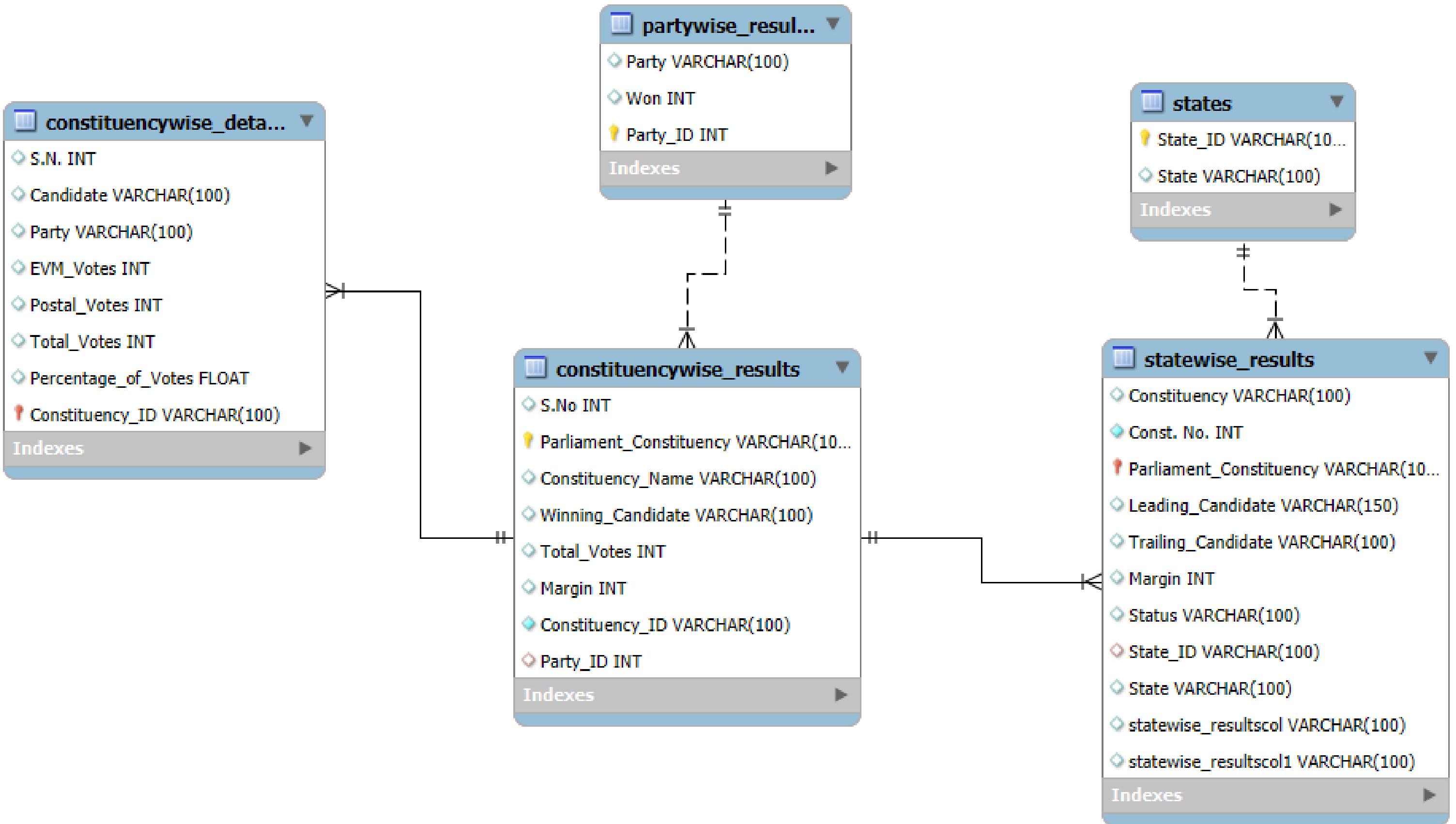


ABSTRACT

This project focuses on analyzing election results in India through a MySQL database, highlighting voting patterns, turnout, and party performance across different states and demographics.



ER - DIAGRAM



STRUCTURE OF TABLE CONSTITUENTCYWISE_DETAILS

Desc constituencywise_details;

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content

	Field	Type	Null	Key	Default	Extra
▶	S.N.	int	YES		NULL	
	Candidate	varchar(100)	YES		NULL	
	Party	varchar(100)	YES		NULL	
	EVM_Votes	int	YES		NULL	
	Postal_Votes	int	YES		NULL	
	Total_Votes	int	YES		NULL	
	Percentage_of_Votes	float	YES		NULL	
	Constituency_ID	varchar(100)	YES		NULL	

YOUR VOTE
MATTERS

STRUCTURE OF TABLE CONSTITUENTCYWISE_RESULTS

```
Desc constituencywise_results;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	S.No	int	YES		HULL	
	Parliament_Constituency	varchar(100)	NO	PRI	HULL	
	Constituency_Name	varchar(100)	YES		HULL	
	Winning_Candidate	varchar(100)	YES		HULL	
	Total_Votes	int	YES		HULL	
	Margin	int	YES		HULL	
	Constituency_ID	varchar(100)	YES		HULL	
	Party_ID	int	YES	MUL	HULL	



STRUCTURE OF TABLE PARTWISE_RESULTS

Desc partwise_results;

Result Grid | Filter Rows: | Export: | Write

	Field	Type	Null	Key	Default	Extra
▶	Party	varchar(100)	YES		NULL	
	Won	int	YES		NULL	
	Party_ID	int	NO	PRI	NULL	

STRUCTURE OF TABLE STATES

Desc states

Result Grid | Filter Rows: Export: Wrap

	Field	Type	Null	Key	Default	Extra
▶	State_ID	varchar(100)	NO	PRI	NULL	
	State	varchar(100)	YES		NULL	



STRUCTURE OF TABLE STATEWISE_RESULTS

Desc statewise_results;

	Field	Type	Null	Key	Default	Extra
▶	Constituency	varchar(100)	YES		NULL	
0	Const. No.	int	YES		NULL	
	Parliament_Constituency	varchar(100)	NO	MUL	NULL	
	Leading_Candidate	varchar(150)	YES		NULL	
	Trailing_Candidate	varchar(100)	YES		NULL	
	Margin	int	YES		NULL	
	Status	varchar(100)	YES		NULL	
	State_ID	varchar(100)	YES	MUL	NULL	
	State	varchar(100)	YES		NULL	
	statewise_resultscol	varchar(100)	YES		NULL	
	statewise_resultscol1	varchar(100)	YES		NULL	

CONTENT OF TABLE CONSTITUENTCYWISE_DETAILS

```
select * from constituencywise_details;
```

Result Grid								
	S.N.	Candidate	Party	EVM_Votes	Postal_Votes	Total_Votes	Percentage_of_Votes	Constituency_ID
▶	1	DR JITENDRA SINGH	Bharatiya Janata Party	566833	4243	571076	51.28	U084
	2	CH LAL SINGH	Indian National Congress	444151	2552	446703	40.11	U084
	3	GHULAM MOHD SAROORI	Independent	39519	80	39599	3.56	U084
	4	MEHRAJ DIN	Independent	9055	27	9082	0.82	U084
	5	AMIT KUMAR	Bahujan Samaj Party	8559	83	8642	0.78	U084
	6	MOHD ALI GUJJAR	Independent	7139	19	7158	0.64	U084
	7	MANOJ KUMAR	Ekam Sanatan Bharat Dal	6778	56	6834	0.61	U084
	8	BALWAN SINGH	Jammu & Kashmir National Panthers Party (Bhim)	3243	49	3292	0.3	U084
	9	SWARN VEER SINGH JARAL	Independent	3071	17	3088	0.28	U084
	10	DR PANKAJ SHARMA	Independent	2201	46	2247	0.2	U084
	11	RATIFSH MANICHANDA	Independent	1575	30	1605	0.14	I084

CONTENT OF TABLE CONSTITUENTCYWISE_RESULTS

```
select * from constituencywise_results;
```

	S.N.	Candidate	Party	EVM_Votes	Postal_Votes	Total_Votes	Percentage_of_Votes	Constituency_ID
▶	1	DR JITENDRA SINGH	Bharatiya Janata Party	566833	4243	571076	51.28	U084
	2	CH LAL SINGH	Indian National Congress	444151	2552	446703	40.11	U084
	3	GHULAM MOHD SAROORI	Independent	39519	80	39599	3.56	U084
	4	MEHRAJ DIN	Independent	9055	27	9082	0.82	U084
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	6	MOHD ALI GUJJAR	Independent	7139	19	7158	0.64	U084
	7	MANOJ KUMAR	Ekam Sanatan Bharat Dal	6778	56	6834	0.61	U084
	8	BALWAN SINGH	Jammu & Kashmir National Panthers Party (Bhim)	3243	49	3292	0.3	U084
	9	SWARN VEER SINGH JARAL	Independent	3071	17	3088	0.28	U084
	10	DR PANKAJ SHARMA	Independent	2201	46	2247	0.2	U084
	11	RATIFSH MANCHANDA	Independent	1575	30	1605	0.14	U084

CONTENT OF TABLE PARTYWISE_RESULT

```
select * from partywise_results;
```

Result Grid | Filter Rows: Edit:

	Party	Won	Party_ID
▶	Aam Aadmi Party - AAAP	3	1
	Asom Gana Parishad - AGP	1	83
	All India Majlis-E-Ittehadul Muslimeen - AIMIM	1	118
	All India Trinamool Congress - AITC	29	140
	AJSU Party - AJSUP	1	160
	Bharatiya Janata Party - BJP	240	369
	Communist Party of India - CPI	2	544
	Communist Party of India (Marxist-Leninist) (Li...	2	545
	Communist Party of India (Marxist) - CPI(M)	4	547

CONTENT OF TABLE STATES

```
select * from states;
```

Result Grid | Filter Rows:

	State_ID	State
▶	S01	Andhra Pradesh
	S02	Arunachal Pradesh
	S03	Assam
	S04	Bihar
	S05	Goa
	S06	Gujarat
	S07	Haryana
	S08	Himachal Pradesh
	S10	Karnataka

CONTENT OF TABLE STATEWISE_RESULT

```
select * from statewise_results;
```

Result Grid									
	Constituency	Const. No.	Parliament_Constituency	Leading_Candidate	Trailing_Candidate	Margin	Status	State_ID	State
▶	Agra	18	AGRA(18)	PROF S P SINGH BAGHEL	SURESH CHAND KARDAM	271294	Result Declared	S24	Himachal Pradesh
	Ahmedabad East	7	AHMEDABADEVAST(7)	HASMUKHBHAI PATEL (H.S.PATEL)	HIMMATSINH PRAHLADSINH PATEL	461755	Result Declared	S06	Gujarat
	Ahmedabad West	8	AHMEDABADWEST(8)	DINESHBHAI MAKWANA (ADVOCATE)	BHARAT YOGENDRA MAKWANA	286437	Result Declared	S06	Gujarat
	AJMER	13	AJMER(13)	BHAGIRATH CHOUDHARY	RAMCHANDRA CHOUDHARY	329991	Result Declared	S20	Himachal Pradesh
	Almora	3	ALMORA(3)	AJAY TAMTA	PRADEEP TAMTA	234097	Result Declared	S28	Himachal Pradesh
	Amalapuram (SC)	7	AMALAPURAM(SC)(7)	G M HARISH (BALAYOGI)	RAPAKA VARAPRASADA RAO	342196	Result Declared	S01	Andhra Pradesh
	Amreli	14	AMRELI(14)	BHARATBHAI MANUBHAI SUTARIYA	JENNY THUMMAR	321068	Result Declared	S06	Gujarat
	Anakadella	5	ANAKADELLA(5)	C M DAMECH	RI INT MI ITVAL A NATRI	706520	Result Declared	S01	Andhra Pradesh

1. FIND THE WINNING CANDIDATE WITH THE HIGHEST PERCENTAGE OF VOTES IN ANY CONSTITUENCY.

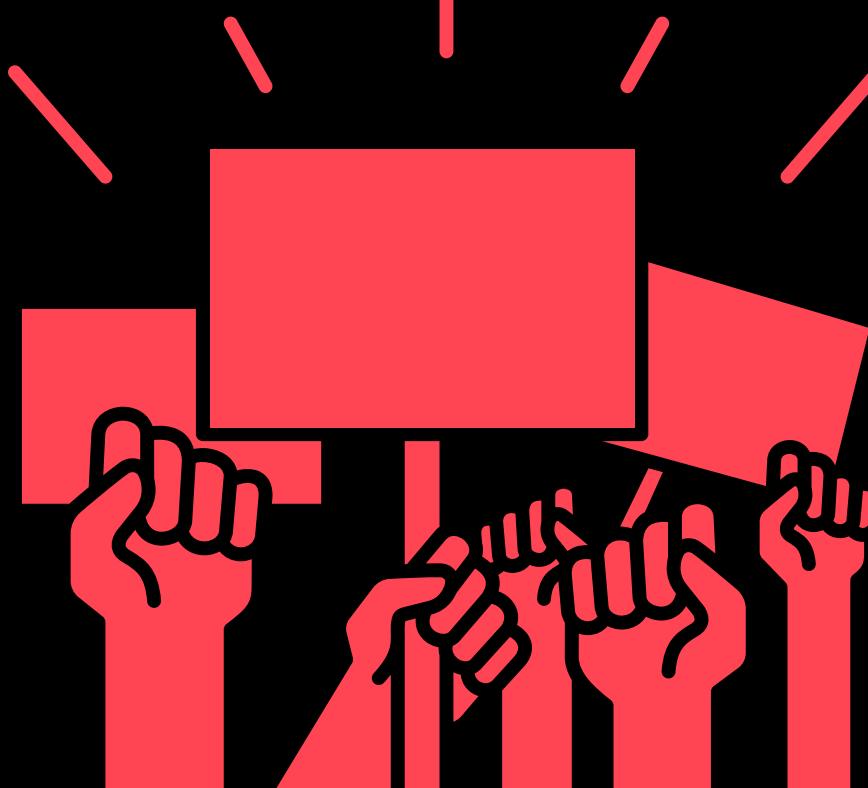
```
SELECT Candidate, Party, Total_Votes, Percentage_of_Votes  
FROM constituencywise_details  
WHERE Percentage_of_Votes= (  
SELECT MAX(Percentage_of_Votes)  
FROM constituencywise_details  
)
```



	Candidate	Party	Total_Votes	Percentage_of_Votes
▶	SACHITHANANTHAM R	Communist Party of India (Marxist)	670149	58.29

2. FIND THE STATE ID AND NAMES OF STATES WHERE THE LEADING CANDIDATE HAD A MARGIN OF MORE THAN 3000 VOTES. RETRIEVE THE STATE NAME USING A SUBQUERY.

```
SELECT * FROM states  
WHERE State_ID IN (  
    SELECT State_ID  
    FROM statewise_results  
    WHERE Margin > 3000  
    ) limit 5;
```



Result Grid | Filter Rows:

	State_ID	State
▶	S01	Andhra Pradesh
▶	S03	Assam
▶	S04	Bihar
▶	S06	Gujarat
▶	S07	Haryana
	NONE	NONE

3.FIND THE PARTY,TOTAL VOTES AND PERCENTAGE OF VOTES RECEIVED BY SACHIN GUPTA IN THE CONSTITUENCY WITH THE HIGHEST TOTAL VOTES AMONG ALL CONSTITUENCIES.

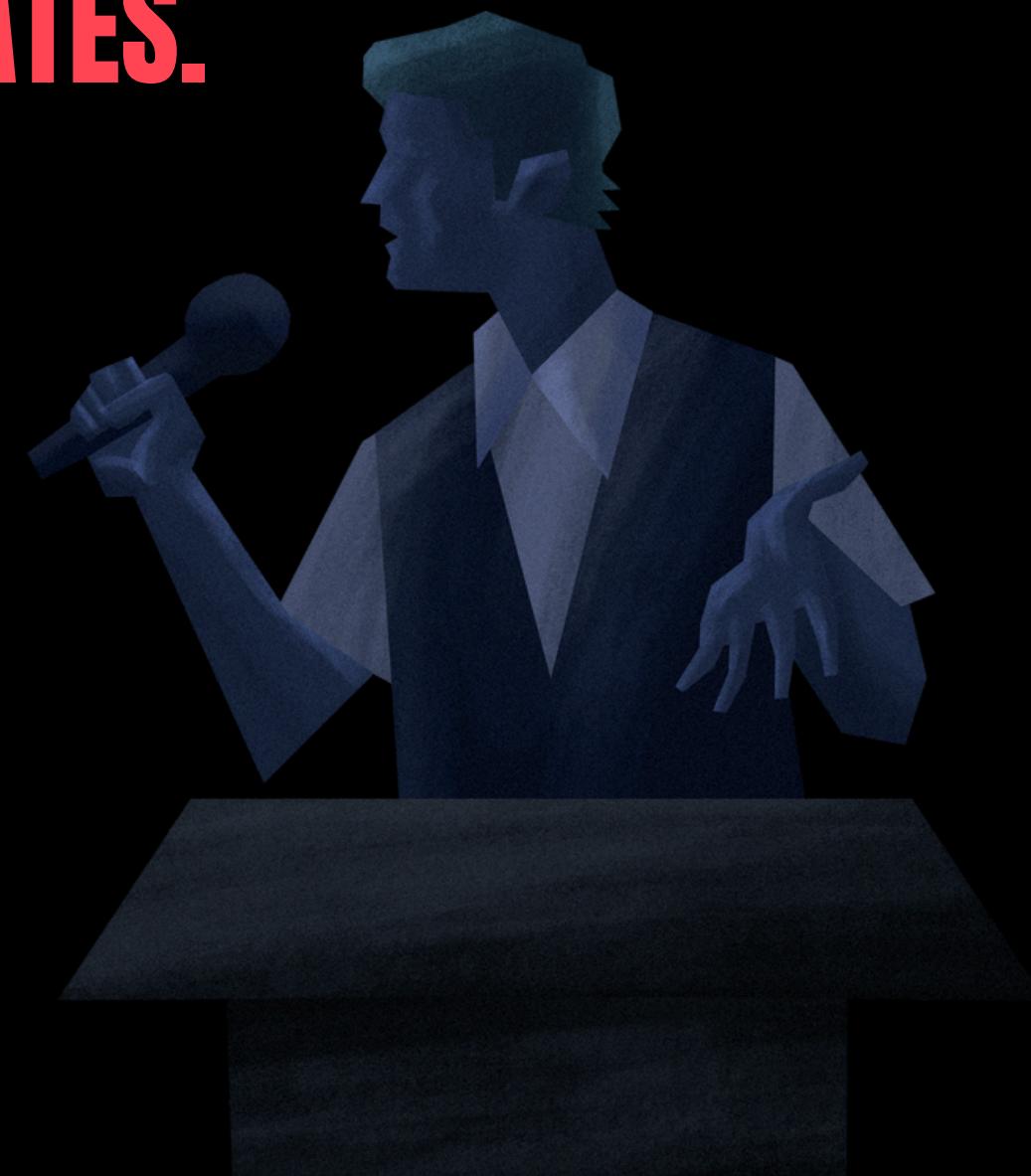
```
SELECT candidate,Total_Votes,Percentage_of_Votes  
FROM constituencywise_details  
WHERE Candidate = 'Sachin Gupta'  
AND Total_Votes = (  
SELECT MAX(Total_Votes)  
FROM constituencywise_details  
WHERE Candidate = 'Sachin Gupta'  
);
```



	candidate	Total_Votes	Percentage_of_Votes
▶	SACHIN GUPTA	1463	0.13

4.GET THE CANDIDATE WITH THE LOWEST MARGIN AMONG WINNING CANDIDATES ACROSS ALL STATES.

```
SELECT Winning_Candidate, Constituency_Name, Margin  
FROM constituencywise_results  
WHERE Margin = (SELECT MIN(Margin)  
FROM constituencywise_results  
WHERE Winning_Candidate IS NOT NULL  
);
```

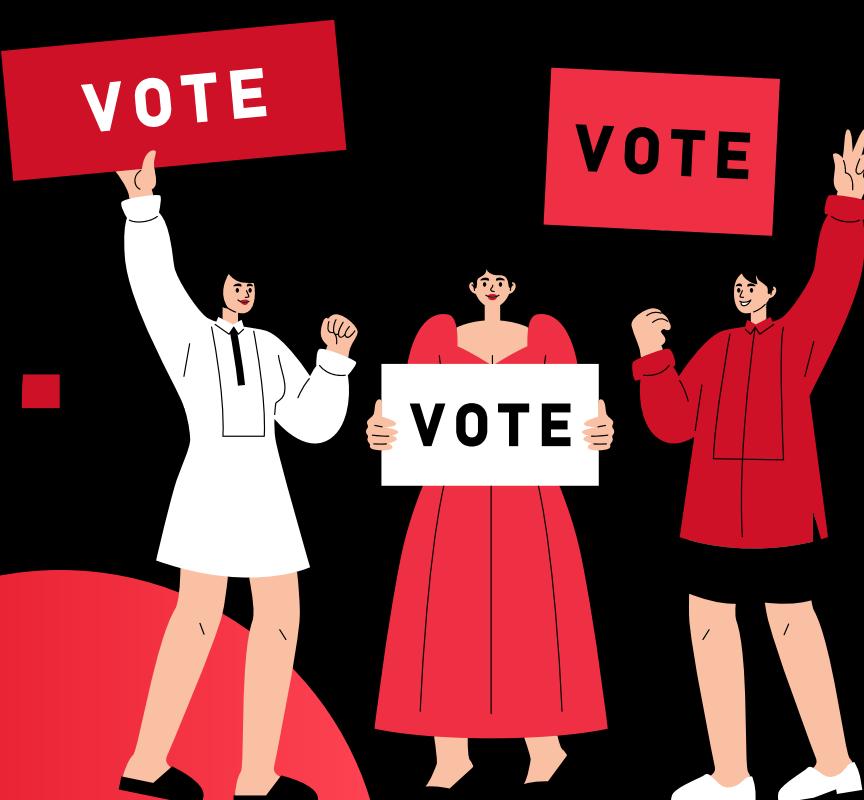


Result Grid | Filter Rows: Export: Wrap Cell Content:

	Winning_Candidate	Constituency_Name	Margin
▶	MUKESHKUMAR CHANDRAKAANT DALAL (Unco...	SURAT	0

5. FIND THE STATE AND CONSTITUENCY NAMES WHERE THE TOTAL VOTES ARE GREATER THAN 10,00,000.

```
SELECT s.State, cr.Constituency_Name,cr.Total_Votes  
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  
WHERE cr.Total_Votes > 1000000;
```



	State	Constituency_Name	Total_Votes
▶	Karnataka	BANGALORERURAL	1079002
	Assam	DHUBRI	1471885
	West Bengal	DIAMONDHARBOUR	1048230
	Gujarat	GANDHINAGAR	1010972
	Madhya Pradesh	INDORE	1226751
	Gujarat	NAVSARI	1031065
	Chhattisgarh	RAIPUR	1050351
	Madhya Pradesh	VIDISHA	1116460

6.LIST THE WINNING CANDIDATES, ALONG WITH THEIR CONSTITUENCY NAME AND STATE, FOR THE FIRST FIVE RESULTS WHERE A WINNING CANDIDATE IS AVAILABLE.

```
SELECT cr.Winning_Candidate, s.State, cr.Constituency_Name  
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  
WHERE cr.Winning_Candidate IS NOT NULL  
LIMIT 5;
```

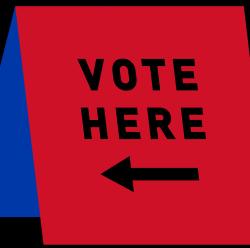


	Winning_Candidate	State	Constituency_Name
▶	PROF S P SINGH BAGHEL	Uttar Pradesh	AGRA
	HASMUKHBHAI PATEL (H.S.PATEL)	Gujarat	AHMEDABADEAST
	DINESHBHAI MAKWANA (ADVOCATE)	Gujarat	AHMEDABADWEST
	BHAGIRATH CHOUDHARY	Rajasthan	AJMER
	AJAY TAMTA	Uttarakhand	ALMORA

7. LIST THE NAMES OF ALL PARTIES ALONG WITH THE NUMBER OF SEATS WON BY EACH PARTY, WHERE THE PARTY HAS WON AT LEAST ONE SEAT.

```
SELECT pr.Party, pr.Won  
FROM partywise_results pr  
JOIN constituencywise_results cr ON pr.Party_ID = cr.Party_ID  
WHERE pr.Won > 0 limit 5;
```

VOTE HERE ←



	Party	Won
▶	Aam Aadmi Party - AAP	3
▶	Aam Aadmi Party - AAP	3
▶	Aam Aadmi Party - AAP	3
	Asom Gana Parishad - AGP	1
	All India Majlis-E-Ittehadul Muslimeen - AIMIM	1

8.write a query to find the total number of seats won by each party.

```
SELECT cd.Party, COUNT(cr.Constituency_ID) AS Seats_Won  
FROM constituencywise_details cd  
JOIN constituencywise_results cr ON cd.Constituency_ID = cr.Constituency_ID  
WHERE cr.Winning_Candidate IS NOT NULL  
GROUP BY cd.Party  
ORDER BY Seats_Won DESC limit 5;
```

Result Grid | Filter Rows:

	Party	Seats_Won
▶	Independent	240
	None of the Above	25
	Bahujan Samaj Party	24
	Indian National Congress	19
	Bharatiya Janata Party	18

YOUR VOTE
HAS POWER

9.Create a view that shows the names of states where the leading candidate had a margin of more than 3000 votes.

```
CREATE VIEW PartyVotesByState AS  
SELECT * FROM states  
WHERE State_ID IN (  
    SELECT State_ID  
    FROM statewise_results  
    WHERE Margin > 3000  
    )limit 5;  
  
SELECT * FROM PartyVotesByState;
```



	State_ID	State
>	S01	Andhra Pradesh
	S03	Assam
	S04	Bihar
	S06	Gujarat
	S07	Haryana

10. Create a view that lists each constituency along with the leading candidate, trailing candidate, and their margin of victory. Then, query the view to display only the first five results.

```
CREATE VIEW ConstituencyMargins AS  
SELECT sr.Constituency, sr.Leading_Candidate, sr.Trailing_Candidate, sr.Margin  
FROM statewise_results sr;  
  
SELECT * FROM ConstituencyMargins LIMIT 5;
```



	Constituency	Leading_Candidate	Trailing_Candidate	Margin
▶	Agra	PROF S P SINGH BAGHEL	SURESH CHAND KARDAM	271294
	Ahmedabad East	HASMUKHBHAI PATEL (H.S.PATEL)	HIMMATSINH PRAHLADSINH PATEL	461755
	Ahmedabad West	DINESHBHAI MAKWANA (ADVOCATE)	BHARAT YOGENDRA MAKWANA	286437
	AJMER	BHAGIRATH CHOUDHARY	RAMCHANDRA CHOUDHARY	329991
	Almora	AJAY TAMTA	PRADEEP TAMTA	234097

THANK YOU