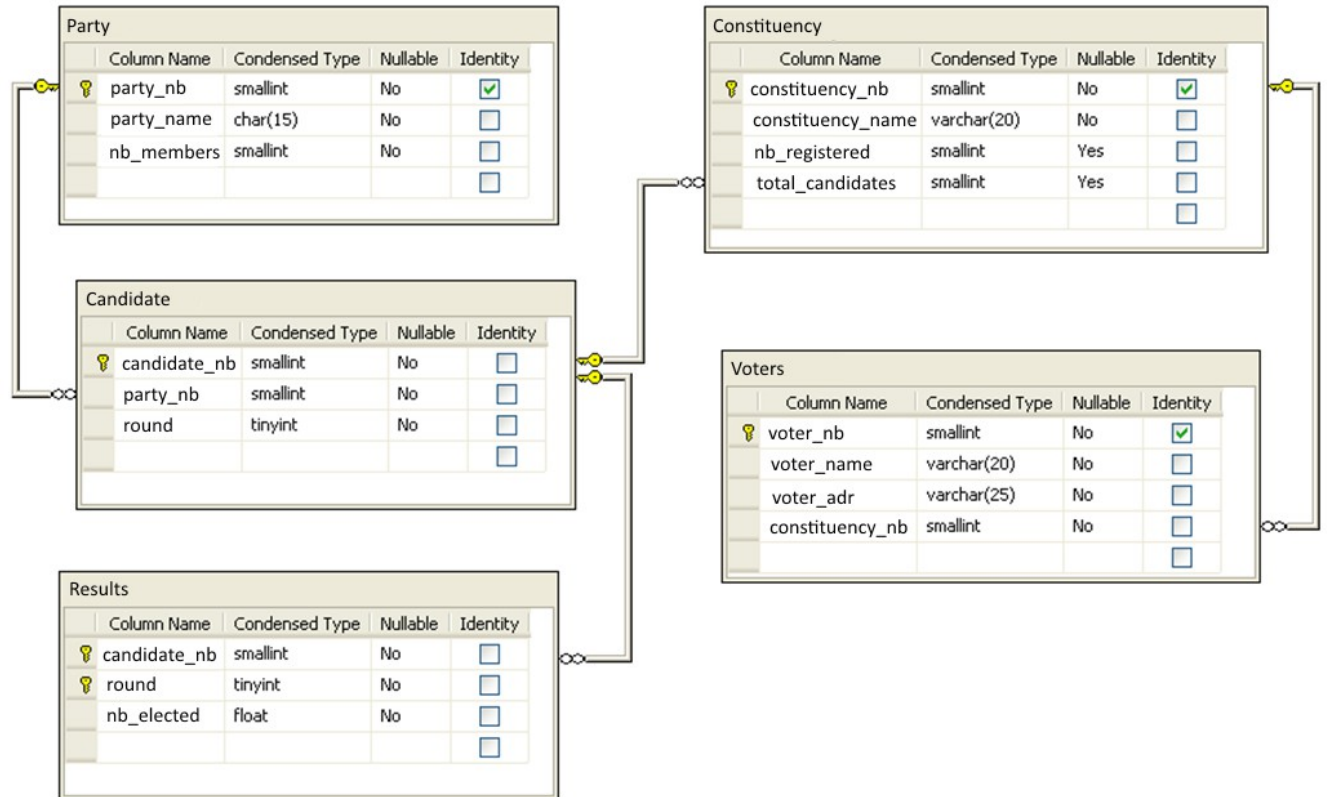


Data Definition Language

Create an “Elections” database with the following tables :



It is your task to choose the order in which the tables are created, as well as the order the data is inserted according to a foreign key of your choosing.

Before creating the tables, you must first clear the existing tables and constraint without causing an error message, using the EXISTS clause. The order of your REMOVE calls should be in the reverse order of your create calls.

In the annex below you will find the SQL scripts to insert data into the tables.

NB : the unity of the candidate_nb attribute of the Candidate and Results tables is 'number of voters' (= voter_nb in the Voters table)

Questions

Create queries for the following :

1. Display the number of candidates eliminated in the first round, for each constituency, and show the constituency number, and name.

Constituency_Nb	Constituency_Name	Nb of Candidates eliminated in round 1
100	Montreal	3
200	Laval	3
300	Brossard	3
400	Matagami	4

2. For each party, display the highest and lowest number of votes cast in the first round.

Party_Nb	Party_Name	Plus grand nombre de voix (tour 1)	Plus petit nombre de voix (tour 1)
10	Parti Liberal	500	10
20	Parti Quebecois	1000	9
30	ADQ	1050	5
40	Independant	25	25

3. For each party, display the percent of the total votes they got in the first round.

Party_Nb	Party_Name	% of votes (round 1)
10	Parti Liberal	22.2
20	Parti Quebecois	41.3
30	ADQ	36.1
40	Independant	0.4

ANNEX : Inserting data into the database

Inserting data into the Voters table :

insert into Voters values ('Paolo Lebeau', '38 Ste-catherine', 100)
insert into Voters values ('Peter Jennings', '443 Peel', 100)
insert into Voters values ('Paul Maurice', '3455 Hector', 100)
insert into Voters values ('Claude Barnabais', '1 desAnge's', 100)
insert into Voters values ('Marcel Lejuste', '22 Cremazie',100)
insert into Voters values ('Guy Guay', '234 rue Louis', 100)
insert into Voters values ('Bob Lariviere', '331 St-Laurent',100)
insert into Voters values ('Clodine Desjardins', '232 rue Perdu',100)
insert into Voters values ('Ginette Lafleur','66 rue Lemieux',100)
insert into Voters values ('Jean St-Jean', '6234 Des Laurentides', 200)
insert into Voters values ('Jery Plombe', '21 St-Rose',200)
insert into Voters values ('Natasha Sucmoila','69 du plaisir',200)
insert into Voters values ('Raymond Leblond','32 rue deserte',200)
insert into Voters values ('Carole Lavigne','66 St-Joseph',200)
insert into Voters values ('Ivon Embarcation', '32 de la rue',200)
insert into Voters values ('Goerges Castanza','321 rue descendante',200)
insert into Voters values ('Homer J. Simpson','742 Evergreen Terrasse', 200)
insert into Voters values ('Philipe Levert','345 Brossard blvd',300)
insert into Voters values ('John t. baker','21 PopStreet',300)
insert into Voters values ('Camille DePit','23232 Bleu',300)
insert into Voters values ('Maurice Fardoche','22 du rang',300)
insert into Voters values ('Gino Lebeau', '67 st-greogoire',300)
insert into Voters values ('Claude Pantoufle', '321 rue Sale', 300)
insert into Voters values ('Real Beland', '3222223 grande alle', 300)
insert into Voters values ('Michel Legris','1 rue de la vieillesse', 300)
insert into Voters values ('Julie Desrivieres','543 rue Laflamme',300)
insert into Voters values ('Mom Tremblay','32 du gallet',300)
insert into Voters values ('Roger Dubois',' 66 dla traillie',400)
insert into Voters values ('Georgette Pile','22 Mautorue',400)
insert into Voters values ('Luc Boon','432 Quekpartdanlbois',400)
insert into Voters values ('Real Dubois','64 dla traillie',400)
insert into Voters values ('Maurice Lavale','432 dla traillie',400)
insert into Voters values ('Bonia Gina', '3 Stucru',400)
insert into Voters values ('Bob Lavigne', '4 Stuplate',400)

Inserting data into the Constituency table :

insert into Constituency values ('Montreal', 3000, 4)
insert into Constituency values ('Laval', 2500, 13)
insert into Constituency values ('Brossard', 2000, 20)
insert into Constituency values ('Matagami', 100, 30)
insert into Constituency values ('sabloVille', 1,null)

Inserting data into the Party table :

insert into Party values('Parti Liberal', 3000)
insert into Party values('Parti Quebecois',3000)
insert into Party values('ADQ', 1000)
insert into Party values('Independant',100)

Inserting data into the Results table :

insert into Results values (1,1,500)
insert into Results values (2,1,1000)
insert into Results values (3,1,800)
insert into Results values (4,2,1500)
insert into Results values (5,2,1000)
insert into Results values (6,2,1000)
insert into Results values (10,1,500)
insert into Results values (11,1,900)
insert into Results values (12,1,1050)
insert into Results values (13,2,2000)
insert into Results values (14,2,987)
insert into Results values (15,2,400)
insert into Results values (16,2,200)
insert into Results values (21,1,500)
insert into Results values (22,1,900)
insert into Results values (19,1,600)
insert into Results values (18,2,95)
insert into Results values (20,2,1087)
insert into Results values (23,2,400)
insert into Results values (28,1,10)
insert into Results values (33,2,15)
insert into Results values (29,1,5)
insert into Results values (32,2,5)
insert into Results values (31,1,9)
insert into Results values (30,1,25)

Inserting data into the Candidates table :

insert into Candidates values (1,10,1)
insert into Candidates values (2,20,1)
insert into Candidates values (3,30,1)
insert into Candidates values (4,10,2)
insert into Candidates values (5,20,2)
insert into Candidates values (6,30,2)
insert into Candidates values (10,10,1)
insert into Candidates values (11,20,1)
insert into Candidates values (12,30,1)
insert into Candidates values (13,10,2)
insert into Candidates values (14,20,2)
insert into Candidates values (15,30,2)
insert into Candidates values (16,40,2)
insert into Candidates values (21,10,1)
insert into Candidates values (22,20,1)
insert into Candidates values (19,30,1)
insert into Candidates values (18,10,2)
insert into Candidates values (20,20,2)
insert into Candidates values (23,30,2)
insert into Candidates values (28,10,1)
insert into Candidates values (33,10,2)
insert into Candidates values (29,30,1)
insert into Candidates values (32,30,2)
insert into Candidates values (31,20,1)
insert into Candidates values (30,40,1)