US Electoral System Project Report

DDL:

```
CREATE USER db_admin IDENTIFIED BY db_admin;
GRANT CONNECT TO db_admin;
GRANT CREATE SESSION TO db admin;
GRANT ALL PRIVILEGES TO db_admin;
-- Voter
CREATE TABLE voter (
voter_id VARCHAR2(20) PRIMARY KEY,
ssn INTEGER,
license_no VARCHAR2(30),
first_name CHAR(15),
last name CHAR(15),
citizenship CHAR(1),
zipcode INTEGER,
registration_id VARCHAR2(20),
S_ID VARCHAR(5)
);
-- Social Media
CREATE TABLE Social Media (S ID varchar(5) PRIMARY KEY,
username VARCHAR(50),
platform VARCHAR(10),
no of followers INT,
count_of_comments INT,
post type VARCHAR(10),
post_link VARCHAR(100),
date_of_post DATE,
part_or_individual VARCHAR(10));
-- Funds
CREATE TABLE Funds (fund_id VARCHAR(10) PRIMARY KEY,
party id VARCHAR(10),
source_of_income VARCHAR(50),
debited_amount INT,
credited_amount INT,
balance INT.
expense_description VARCHAR(50));
```

```
-- Campaigning_Events
CREATE TABLE Campaigning_Events (event_id VARCHAR(10) PRIMARY KEY,
party ID VARCHAR(10),
date_of_event DATE,
location VARCHAR(30),
type of event VARCHAR(40),
amount_used INT);
-- Party
Create table party
(party_id varchar(10) PRIMARY KEY,
party_name char(20),
treasurer_id VARCHAR(20)
);
-- Results
Create table results
(treasurer_id varchar(20) PRIMARY KEY,
results char(10),
vote_term INTEGER NOT NULL,
candidate id varchar(10) NOT NULL,
registration_number varchar(20) NOT NULL,
bank_account varchar(20) NOT NULL,
tax id varchar(20) NOT NULL,
event_id varchar(10) NOT NULL
);
-- Vote_detail
CREATE TABLE vote detail (
  v_detail_id
               INTEGER PRIMARY KEY,
  photo id
               CHAR(1),
  vote_date
               DATE,
  vote_type
               CHAR(20),
  voter_id VARCHAR2(20)
);
-- v_background_ck
CREATE TABLE v_background_ck (
  registration_id VARCHAR2(20) PRIMARY KEY,
  state_id
               VARCHAR2(25) NOT NULL,
  age INTEGER,
```

```
country of birth char(50),
  address_current VARCHAR2(100) NOT NULL,
  address_past
                  VARCHAR2(100) NOT NULL,
felony record CHAR(1)
);
-- felony rc
CREATE TABLE felony_rc (
  felony_id VARCHAR2(20) PRIMARY KEY,
  currently_incarnated
                       CHAR(1),
  incarnation_period
                       INT,
                      CHAR(1),
  pardon restored
voter_id VARCHAR2(20)
);
-- candidate
Create table candidate
(candidate_id varchar(30) PRIMARY KEY,
fname char(20) NOT NULL,
Iname char(20) NOT NULL,
gender char(5) NOT NULL,
party_id varchar(10) NOT NULL,
party char(20),
c state char(20),
status char(20) NOT NULL,
dob date NOT NULL,
register id varchar(20) NOT NULL
);
-- c background check
CREATE TABLE c background check
      register_id VARCHAR2(10),
      candidate id VARCHAR2(10) NOT NULL,
      country of birth CHAR(20) NOT NULL,
      assets VARCHAR2(20),
      address VARCHAR2(100),
      terms_served NUMBER(*,0) NOT NULL,
      post CHAR(90),
      yrs_of_residence NUMBER(2,0),
      c_felony CHAR(5) NOT NULL,
       PRIMARY KEY (register_id)
  );
```

```
-- house rep
CREATE TABLE house_rep (
  rep_id VARCHAR2(20) PRIMARY KEY,
  rep name CHAR(30),
  party_id VARCHAR2(25) NOT NULL,
  zipcode INTEGER NOT NULL,
  district CHAR(50),
  r_age INTEGER,
  r yrs of ctzn INTEGER,
  r_state_add VARCHAR2(60),
  r_term INTEGER,
  state_id VARCHAR2(25),
  r_address VARCHAR2(100)
);
-- state
CREATE TABLE state (
state_id VARCHAR2(25) PRIMARY KEY,
state_name CHAR(30)NOT NULL,
population INTEGER NOT NULL,
number_of_representatives INTEGER NOT NULL
);
-- senate
CREATE TABLE senate (
  senate_id VARCHAR2(20) PRIMARY KEY,
  senate name CHAR(20)NOT NULL,
  party_id VARCHAR2(25) NOT NULL,
  s_age INTEGER NOT NULL,
  s_yrs_of_ctzn INTEGER NOT NULL,
  resident_state VARCHAR2(30) NOT NULL
);
-- state senate
CREATE TABLE state senate(
state_id VARCHAR2(25) NOT NULL,
senate_id VARCHAR2(20) NOT NULL);
ALTER TABLE Funds
ADD FOREIGN KEY (party_id) REFERENCES party(party_id);
ALTER TABLE Campaigning_Events
ADD FOREIGN KEY (party_id) REFERENCES party(party_id);
```

ALTER TABLE house_rep

ADD FOREIGN KEY (state_id) REFERENCES state(state_id);

ALTER TABLE state_senate

ADD FOREIGN KEY (state_id) REFERENCES state(state_id);

ALTER TABLE state_senate

ADD FOREIGN KEY (senate_id) REFERENCES senate(senate_id);

ALTER TABLE candidate

ADD FOREIGN KEY (party_id) REFERENCES party(party_id);

ALTER TABLE candidate

ADD FOREIGN KEY (register_id) REFERENCES c_background_check(register_id);

ALTER TABLE C BACKGROUND CHECK

ADD FOREIGN KEY (candidate_id) REFERENCES candidate(candidate_id);

ALTER TABLE party

ADD FOREIGN KEY (treasurer_id) REFERENCES results(treasurer_id);

ALTER TABLE voter

ADD FOREIGN KEY (registration id) REFERENCES v background ck(registration id);

ALTER TABLE voter

ADD FOREIGN KEY (s_id) REFERENCES Social_media(s_id);

ALTER TABLE vote detail

ADD FOREIGN KEY (voter_id) REFERENCES voter(voter_id);

ALTER TABLE felony rc

ADD FOREIGN KEY (voter_id) REFERENCES voter(voter_id);

CREATE VIEW voter_view AS SELECT * FROM voter;

CREATE VIEW democratic_party_view AS

SELECT c.candidate_id,c.fname as "First name", c.lname as "Last

Name",c.Gender,c.Party_id,c.c_state,c.dob,c.register_id,p.party_name,ce.date_of_event,ce.loc ation,

ce.amount_used,ce.type_of_event

FROM candidate c, party p, campaigning_events ce

where c.party_id='D_01' OR p.party_id='D_01' OR ce.party_id='D_01';

CREATE VIEW independent_party_view AS

SELECT c.candidate_id,c.fname as "First name", c.lname as "Last

Name",c.Gender,c.Party_id,c.c_state,c.dob,c.register_id,p.party_name,ce.date_of_event,ce.loc ation,

ce.amount used,ce.type of event

FROM candidate c, party p, campaigning_events ce

where c.party_id LIKE 'I%' OR p.party_id LIKE 'I%' OR ce.party_id LIKE 'I%';

CREATE VIEW republic_party_view AS

SELECT c.candidate id,c.fname as "First name", c.lname as "Last

Name",c.Gender,c.Party_id,c.c_state,c.dob,c.register_id,p.party_name,ce.date_of_event,ce.loc ation.

ce.amount_used,ce.type_of_event

FROM candidate c, party p, campaigning_events ce

where c.party_id='R_01' OR p.party_id='R_01' OR ce.party_id='R_01';

CREATE VIEW others_party_view AS

SELECT c.candidate_id,c.fname as "First name", c.lname as "Last

Name",c.Gender,c.Party_id,c.c_state,c.dob,c.register_id,p.party_name,ce.date_of_event,ce.loc ation,

ce.amount_used,ce.type_of_event

FROM candidate c, party p, campaigning events ce

where c.party_id='O_01' OR p.party_id='O_01' OR ce.party_id='O_01';

CREATE VIEW candidate view AS

SELECT c.candidate_id,c.fname as "First name", c.lname as "Last

Name",c.Gender,c.Party_id,c.c_state,c.dob,c.register_id

FROM candidate c;

CREATE VIEW senate_view AS

SELECT * from senate:

CREATE VIEW representative_view AS

SELECT * from house_rep;



DML:

SELECT * FROM c_background_check;

REGISTER_ID	♦ CANDIDATE_ID	♦ COUNTRY_OF_BIRTH	♦ ASSETS	↑ ADDRESS	♦ TERMS_SERVED	POST POS
1 NY_212110	C_00037	American	875758.0	(516) 569-7129 777 W Broadway Woodmere, New York(NY), 11598	0	Former Attorney General of the Ur
2 OR_768444	C_00038	American	9090909.0	247 NE Yamhill St Sheridan, Oregon(OR), 97378	0	United States Senator
3 NY_213456	C_00039	American	1345245.0	7618 69th Pl Ridgewood, New York(NY), 11385	0	United States Senator
4 DC_100000	C_00001	American	\$1.3M	13th Street Business Center, 601 13th Street,DC	2	Senator
5 IN_123456	C_00002	American	700000.0	1571 E Dutch Creek Rd Pekin, Indiana(IN), 47165	1	Mayor
6 TX_234567	C_00003	American	100000.0	7729 Lees Creek Dr. Houston, TX 77022	0	Former United States Secretary of
7 NJ_675435	C_00004	American	550000.0	4704 Fairfax Drive, Bayville, NJ-08721	2	United States Representative
8 LE_876134	C_00005	American	2000256.0	312 Alamaha St #G Kahului, Hawaii(HI), 96732	1	U.S. Representative
9 NY_735198	C_00006	American	863419.0	8 Oakland St. Bronx, NY 10460	0	United States Senator
10 CA_098156	C_00007	American	910835.0	9333 Alton Lane Los Angeles, CA 90003	2	United States Senator
11 PA_586235	C_00008	American	700001.0	3334 Wilmington Rd New Castle, Pennsylvania(PA), 16105	1	Former Governor of Colorado
12 WA_263725	C_00009	American	829027.0	One Micro Soft Way Redmond, Washington(WA), 98052	0	Governor of Washington

SELECT * FROM campaigning_events;

	_ID 🕸 PARTY_ID			↑ TYPE_OF_EVENT	
1 E_01	D_01	10-NOV-20	California	Posters	200
2 E_02	D_01	03-SEP-20	All States	radio	150
3 E_03	I_01	20-MAY-20	All States	TV announcements	300
4 E_04	I_01	18-DEC-20	Massachusetts	Press Conferences	400
5 E_05	R_01	19-MAR-20	New York	Stunts	100
6 E_06	R_01	11-MAR-20	Vermont	Demonstrations	500
7 E_07	R_01	19-AUG-20	Maine	Rallies	200
8 E_08	D_01	31-MAY-20	Illinois	Marches	200
9 E_09	D_01	12-NOV-20	Arizona	Initiating Community Dialogues	250
10 E_10	I_01	26-MAY-20	Iowa	Organize Community Events	300
11 E_11	I_01	22-DEC-20	Washington	Private House Parties	500
12 E_12	D_01	27-MAR-20	All States	Distribution of Campaign Merchandise	600

SELECT * FROM candidate;

	. The state of the			\$ PARTY_ID	PARTY			♦ DOB	REGISTER_ID
1 C_00001	cory	booker	М	D_01	democrat	NJ	Running	27-APR-69	A123762098
2 C_00002	pete	buttigieg	Other	D_01	democrat	IND	Running	19-JAN-82	A123762098
3 C_00003	julian	castro	M	D_01	democrat	CA	Running	16-SEP-74	A123762098
4 C_00004	john	delaney	M	D_01	democrat	MARYLAND	Running	16-APR-63	A123762098
5 C_00005	tulsi	gabbard	F	D_01	democrat	hawaii	Running	12-APR-81	A123762098
6 C_00006	kirsten	gillibrand	F	D_01	democrat	NY	Running	09-DEC-66	A123762098
7 C_00007	kamala	harris	F	D_01	democrat	CA	Running	20-OCT-64	A123762098
8 C_00008	john	hickenlooper	M	D_01	democrat	CO	Running	07-FEB-52	A123762098
9 C_00009	jay	inslee	M	D_01	democrat	WA	Running	09-FEB-51	A123762098
10 C_00010	amy	klobuchar	F	D_01	democrat	minnesota	Running	25-MAY-60	A123762098
11 C_00011	bernie	sanders	M	D_01	democrat	vermont	Running	08-SEP-41	A123762098
12 C_00012	elizebeth	warren	F	D_01	democrat	MA	Running	08-JUL-52	A123762098
13 C_00013	Marianne	Williamson	F	D_01	democrat	TX	Running	08-JUL-52	A123762098
14 C_00014	Andrew	Yang	M	D_01	democrat	NY	Running	13-JAN-75	A123762098
15 C_00015	Donald J	Trump	M	R_01	Republican	NY	Running	14-JUN-46	As98273672
16 C 00016	William F.	Weld	M	R 01	Republican	NY	Running	31-JUL-45	As98273672

				♦ PARDON_RESTORED	
1	B5	N	10	Y	I088921
2	C1	Y	5	(null)	VT96102
3	C2	N	10	(null)	AZ99991

SELECT * FROM funds;

∯ FUND_II	PARTY_ID	SOURCE_OF_INCOME	DEBITED_AMOUNT	CREDITED_AMOUNT	BALANCE	
1 F01	D_01	Trade unions	200	100000	99800	Posters
2 F02	D_01	Donations	150	100000	99850	radio
3 F03	I_01	Donations	300	100000	99700	TV announcements
4 F04	I_01	Donations	400	100000	99600	Press Conferences
5 F05	R_01	Wealthy individual Funds	100	100000	99900	Stunts
6 F06	R_01	Trade unions	500	100000	99500	Demonstrations
7 F07	R_01	Trade unions	200	100000	99800	Rallies
8 F08	D_01	Wealthy individual Funds	200	100000	99800	Marches
9 F09	D_01	Interest groups	250	100000	99750	Initiating Community Dialogues
10 F10	I_01	Interest groups	300	100000	99700	Organize Community Events
11 F11	I_01	Professional Organizations	500	100000	99500	Private House Parties
12 F12	D_01	Professional Organizations	600	100000	99400	Distribution of Campaign Merchandise
13 F13	D_01	Government Subsidies	950	100000	99050	Press Media
14 F14	I_01	Government Subsidies	1330	100000	98670	Press Media
15 F15	R_01	Government Subsidies	690	100000	99310	Press Media

SELECT * FROM house_rep;

REP_ID	REP_NAME	PARTY_ID			R_AGE	R_YRS_OF_CTZN	R_STATE_ADD	R_TERM	STATE_II) 0
1 3507	Michelle Pradeep	R_01	27039	North Stearmil	20	5	Oregon	0.3	305	10
2 3517	Archicha Pradeep	D_01	27039	North Stearmil	30	10	Oregon	0.3	392	10
3 9334	Ilona Doering	D_01	90019	Lower North Dis	50	30	California	0 2	267	7
4 6491	Peter Gonzales	R_01	90019	Lower North Dis	35	10	California	0.2	267	91
5 2344	Jake Jackman	R_01	66062	Plitialf Town	33	11	California	0 2	267	9'
6 9527	Juana Bates	D_01	66062	Plitialf Town	40	20	California	0 2	267	10
7 7274	Vincent Gibson	R_01	92647	Degop West	51	40	California	0.2	267	8:
8 9043	Cary Simon	D_01	92647	Degop West	30	12	California	0 2	267	7
9 8323	Ken Page	D_01	86015	Bayside Zot	31	19	Arizona	0.3	392	71
10 7672	Vera Myers	R_01	86015	Bayside Zot	60	30	Arizona	0.3	392	9'
11 5264	Mathew Yates	R_01	32232	Fort Salmoosk	34	10	Arizona	0.3	392	9
12 3712	Gretchen Ruiz	D_01	32232	Fort Salmoosk	28	18	Arizona	0.3	392	1:
13 7956	Chanelle Manz	D_01	27039	North Stearmil	34	13	Oregon	0.3	305	6
14 7793	Misty Precourt	R_01	27039	North Stearmil	47	38	Oregon	0.3	305	9.
15 7301	Tim Donofrio	D_01	77009	Glannund Bazaar	55	20	Texas	0 2	259	3'
16 4198	Nada Brier	R 01	77009	Glannund Bazaar	48	17	Texas	0.2	259	4:

		PARTY_NAME	
1	D_01	Democratic	TRD_76234
2	R_01	Republic	TRR_87234
3	I_01	Independentl	TRI_98790
4	I_02	Independent2	TR2_98767
5	0_01	Others	TRO_8723

SELECT * FROM results;

	D RESULTS		REGISTRATION_NUMBER		TAX_ID	
1 TRD_76234	lost	2016 C_00035	A123762098	123456123452	12-3456789	E_01
2 TRR_87234	Won	2016 C_00015	As98273672	787333090823	15-64729283	E_05
3 TRD_76235	Won	2008 c_00040	A123762098	123456123452	12-3456789	E_02
4 TRR_87236	Lost	2012 C_00041	As98273672	787333090823	15-64729283	E_06
5 TRR_87237	Lost	2008 C_00042	As98273672	787333090823	15-64729283	E_07
6 TRR_87238	Won	2004 C_00043	As98273672	787333090823	15-64729283	E_05
7 TRD_76239	Lost	2000 C_00044	A123762098	123456123452	12-3456789	E_08
8 TRD_76240	Lost	2004 C_00030	A123762098	123456123452	12-3456789	E_09
9 TRD_76256	Won	2012 c_00040	A123762098	123456123452	12-3456789	E_12
10 TRR_87256	Won	2000 C_00043	As98273672	787333090823	15-64729283	E_06

SELECT * FROM senate;

	\$ SENATE_ID	SENATE_NAME	₱ PARTY_ID	S_AGE	\$ S_YRS_OF_CTZN	
1	29439	Wallace Davis	D_01	42	12	california
2	25735	Mercedes Richards	R_01	51	22	california
3	92657	Ed Robbins	D_01	50	32	arizona
4	86203	Edgar Ross	R_01	58	44	arizona
5	17645	Charlie Bowen	D_01	74	43	oregon
6	11859	Gerardo Lynch	R_01	47	22	oregon
7	25117	Beulah Boyd	D_01	50	11	texas
8	74986	Lance Clark	R_01	74	44	texas
9	29131	Mandy Mathis	D_01	42	33	florida
10	47199	Andrew Watson	R_01	43	21	florida
11	30119	Paula Patton	D_01	43	23	minnesota
12	71699	Bennie Lowe	R_01	44	10	minnesota
13	18484	Mattie Jefferson	D_01	50	12	kansas
14	15668	Lindsay Ballard	R_01	34	23	kansas
15	64918	Felix Neal	D_01	32	10	colorado
16	73906	Evan Hunt	R_01	49	32	colorado
17	59932	Alfred Mclaughlin	D 01	73	45	iowa

SELECT * FROM social_media;

♦ S_ID	USERNAME		NO_OF_FOLLOWERS	COUNT_OF_COMMENTS PO PO	OST_TYPE	♦ POST_LINK	♦ DATE
1 S_01	johndeanley@abc.com	facebook	357000	9249 vid	ieo	https://www.facebook.com/videos/1/UzpfSTE3/	19-FEE
2 S_02	johndeanley@abc.com	twitter	14400	1149 twe	et	https://twitter.com/johndeanley	25-DEC
3 S_03	johndeanley@abc.com	instagram	2100	6729 ima	ige	https://www.instagram.com/p/BwBeWr6/	23-SEE
4 S_04	theindepentdent@abc.com	facebook	1900000	6963 vid	ieo	https://www.facebook.com/videos/2/UzpfSTeqw45/	31-MAY
5 S_05	theindepentdent@abc.com	twitter	160000	8511 twe	et	https://twitter.com/theindependent	17-JUN
6 S_06	theindepentdent@abc.com	instagram	230000	2417 vid	ieo	https://www.instagram.com/v/afGwhsdsg8/	11-JUN
7 S_07	therepublic@abc.com	facebook	170000	4485 ima	ige	https://www.facebook.com/photo.php?fbid=123&set=pcb.13&type=3&theater	07-JUL
8 S_08	therepublic@abc.com	twitter	250943	261 twe	et	https://twitter.com/therepublic	22-APR
9 S_09	therepublic@abc.com	instagram	435265	5156 ima	ige	https://www.instagram.com/photo.php?fbid=14sset=pcb.14stype=3stheater	31-MAY
10 S_10	thedemocratic@abc.com	facebook	3465736	7175 vid	leo	https://www.facebook.com/videos/3/UzpfSTE8/	31-MAY
11 S_11	thedemocratic@abc.com	twitter	1235534	9520 twe	et	https://twitter.com/thedemocratic	01-MAY
12 S_12	thedemocratic@abc.com	instagram	2315787	1749 vid	leo	https://www.instagram.com/v/aDAGDhsg4/	08-MAR
13 S_13	Hale.ml9@gmail.com	instagram	(null)	354 ima	ige	https://www.instagram.com/p/BwBeWr6/	27-MAR
14 S_14	Dwin@yahoo.com	instagram	(null)	5657 ima	ige	https://www.instagram.com/p/BwBsdgdf4/	08-MAR
15 S_15	just@twitter.com	facebook	(null)	45 ima	ige	https://www.facebook.com/photo.php?fbid=4sset=pcb.4stype=3stheater	19-AUG
16 S_16	a.joy96@gmail.com	instagram	(null)	45 ima	ige	https://www.instagram.com/p/BwBrtwr8/	31-MAY

SELECT * FROM state;

		STATE_NAME		NUMBER_OF_REPRESENTATIVES
1	267	california	40017007	53
2	392	arizona	7231526	2
3	305	oregon	4256350	5
4	259	texas	29104064	36
5	309	florida	21640022	27
6	316	minnesota	5679718	8
7	276	kansas	2923907	4
8	177	colorado	5761252	7
9	433	iowa	3175395	4
10	327	north dakota	760077	1
11	280	wisconson	5840615	2
12	231	Illinois	12734617	18
13	417	vermont	626299	1
14	153	massachusetts	6932015	9
15	292	maine	1347257	2
16	148	new york	19875625	2
17	567	territory	200001	5

SELECT * FROM state_senate;

	♦ STATE_ID	\$ SENATE_ID
1	267	29439
2	267	25735
3	392	92657
4	392	86203
5	305	17645
6	305	11859
7	259	25117
8	259	74986
9	309	29131
10	309	47199
11	316	30119
12	316	71699
13	276	18484
14	276	15668
15	177	64918
16	177	73906
17	433	59932

SELECT * FROM v_background_ck;

	N_ID STATE_ID	AGE (COUNTRY_OF_BIRTH		∯ FELC
1 ABY859	153PRF	28 United States	34 XX Rd ,Chestnuthill, MA 34 XX Rd ,Chestnuthill, MA	N
2 9IYB69	327WEX	44 United States	422 string st, Fargo, ND Apt 34, DF lane Fargo, ND	N
3 TE9670	327HEN	17 United States	34 East street, Grand Forks, ND NA	N
4 T95KG1	177TBS	18 Italy	23, Babson rd, Denver, CO 31 Cortese Circle, CA	N
5 GTE598	276HHS	64 United States	plot 15 Hill ave Olathe, KS NA	N
6 08KJ92	433ZXE	89 United States	36 st.paul street, Clio,IO 36 st.paul street, Clio,IO	Y
7 296POD	153KDE	47 United States	3, VTR Rd, Quincy MA Apt 67, JU Rd, Dallas, TX	N
8 OP78HT	417GBB	55 United States	552 lane, white river junction, VT 134 Hurtig Hill, Waltham, MA	Y
9 HYI685	148LJW	23 Brazil	Apt no: 45, Yonk Rd, Staten Island, NY 705 coaching lane, Albaqueque, NM	N
10 POU896	231VRO	40 United States	90 Franciso road, Oak park, IL Apt no: 54, Robert Hill, Suffolk, NY	N
11 GS7892	267ABC	58 United States	Plot 50, Kindy Street, Long Beach, CA Plot 50, Kindy Street, Long Beach, CF	N
12 BDU359	2670IU	79 United States	45 Cortese Circle, San Jose, CA 678, Jean Palace Road, Stockton, CA	N
13 EDP056	392CUY	65 United States	606 Brooke Chanel, Pheonix, AZ 67, Gay Road, Atlanta, GA	Y
14 DF692F	305FCK	43 China	44 Pandos Street, Beavertown, OR 44 Pandos Street, Beavertown, OR	N
15 YK6903	259AQN	31 United States	Plot: 90, Opal Inn, Dallas, TX 34 East street, Grand Forks, ND	N
16 FR0835	292H00	33 Mexico	356 queens road, Leeds, MN 356 queens road, Leeds, MN	N

SELECT * FROM vote_detail;

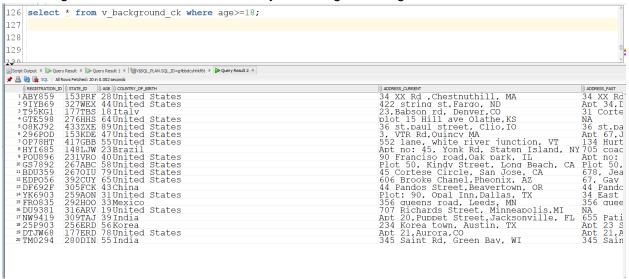
OLLL	OT TROWN VOL	<u></u>			
	V_DETA	♦ PHOTO_ID	◊ VOTE_DATE	∀ VOTE_TYPE	◊ VOTER_ID
1	959	Y	03-NOV-20	in person	MA02116
2	159	Y	03-NOV-20	in person	ND45890
3	875	Y	03-NOV-20	in person	ND58763
4	845	N	25-OCT-20	mail	C025493
5	5269	Y	03-NOV-20	in person	KS78925
6	879	Y	03-NOV-20	in person	1088921
7	549	Y	15-OCT-20	absentee	MA98635
8	8791	Y	03-NOV-20	in person	VT96102
9	249	Y	03-NOV-20	in person	NY45987
10	703	Y	03-NOV-20	in person	IL88997
11	548	Y	03-NOV-20	in person	CA30829
12	8970	Y	03-NOV-20	in person	CA55836
13	4596	Y	03-NOV-20	in person	AZ99991
14	7589	Y	03-NOV-20	in person	OR55537
15	8596	Y	03-NOV-20	in person	TX59137
16	5487	Y	03-NOV-20	in person	MN22013
17	444	Y	03-NOV-20	in nerson	MT77660

SELECT * FROM voter;

	♦ VOTER_ID	SSN SSN	LICENSE_NO	FIRST_NAME				REGISTRATION_ID	♦ S_ID
1	MA02116	28649875	T78560NU	Mary	Hale	У	2467	ABY859	S_13
2	ND45890	875009756	YI47530SR	Den	Winston	У	58103	9IYB69	S_14
3	ND58763	(null)	(null)	Sean	Paul	У	58201	TE9670	S_15
4	CO25493	899472364	(null)	Aislyn	Joy	У	80022	T95KG1	S_16
5	KS78925	596176798	I094B083	Wang	Troy	У	66062	GTE598	S_17
6	1088921	503568871	(null)	Ester	Stanley	У	50052	08KJ92	5_18
7	MA98635	158223679	YU75980D	Tom	Mathews	У	2269	296POD	S_19
8	VT96102	897469978	(null)	Kelly	Winston	У	5009	OP78HT	5_20
9	NY45987	102006718	9057BKSH	Sean	Paul	У	10306	HYI685	5_21
10	IL88997	455690057	IEHLOEY3	Toby	Clarkson	У	60301	POU896	5_22
11	CA30829	303995420	CEU2785	Mary	Fay	У	90832	GS7892	5_23
12	CA55836	(null)	12345DF	Tina	Moe	У	95110	BDU359	5_24
13	AZ99991	843672008	UI80P4N2	Jin	Zheng	У	85085	EDP056	S_25
14	OR55537	876106579	JUTNW45	Xuing	wou	У	97005	DF692F	5_26
15	TX59137	(null)	09VBTY61	Shiv	Patel	У	75243	YK6903	5_27
16	MN22013	329879664	JD0986NW	Cherry	Francis	У	4263	FR0835	5_28
17	MT77660	(null)	OKTRBWI.1	Mathews	Rondo	v	55440	DI19381	5 29

SQL Reports:

1. Listing out voters who are at least 18 years of age and eligible to vote



2. Listing out the rogue voter (i.e) not a citizen of the United States

```
| Separation | Sep
```

3. Listing voter who is not satisfying the age criteria, therefore ineligible to vote

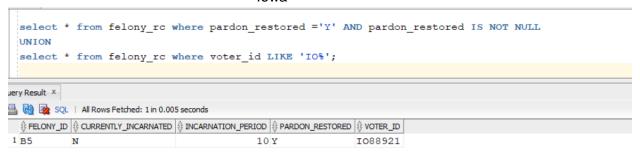


4. Listing the felony voters

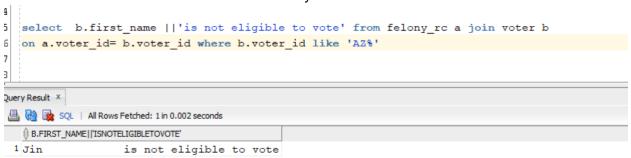
a. Listing Felony from the state of Vermont who are eligible to vote

```
| Select b.first_name ||'is eligible to vote' from felony_rc a join voter b
| Select b.first_name ||'is eligible to vote' from felony_rc a join voter b
| On a.voter_id= b.voter_id where b.voter_id like 'VT%'
| Query Result x |
| SQL | All Rows Fetched: 1 in 0.002 seconds
| B.FIRST_NAME||'ISELIGIBLETOVOTE' |
| Kelly is eligible to vote
```

b.Listing a felony voters who have seeked pardon and eligible to vote in the state of lowa



c. Listing the voter from the state of Arizona who has lost his eligibility to vote due to felony



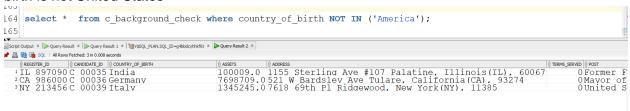
5. Listing voters whose country of birth is not United States but are citizens of US who are eligible to vote

```
125 select b.first_name, b.last_name, a.registration_id from v_background_ck a join voter b
126 on a.registration id=b.registration id
     where country of birth NOT IN ('United States') AND citizenship='Y' OR citizenship='y'
127
128
129
Script Output × | Decry Result × | Decry Result 1 × | New YSQL_PLAN.SQL_ID=g-fbbdcyhhkf6t × Decry Result 2 ×
📌 🖺 🔞 🗽 SQL | All Rows Fetched: 19 in 0.008 seconds
                                               REGISTRATION_ID

⊕ FIRST_NAME

                         ALAST NAME
                                               ABY859
9IYB69
   1 Marv
                         Hale
   <sup>2</sup> Den
                         Winston
   3 Sean
                         Paul
                                               TE9670
                         Joy
Troy
Stanley
                                               T95KG1
GTE598
   4Aislvn
   5 Wang
                                               08KJ92
296POD
OP78HT
   6 Ester
   7 Tom
8 Kelly
                         Mathews
                         Winston
   9 Sean
                         Paul
                                               HYI685
  10 Toby
                         Clarkson
                                               POU896
  11 Marv
12 Tina
                         Fav
                                               GS7892
                                               BDU359
                         Moe
  13 Jin
                         Zheng
                         wou
Patel
  14 Xuina
                                               DF692F
  15 Shiv
                                               YK6903
  16 Cherry
                         Francis
                                               FR0835
  17 Mathews
                         Rondo
                                               DU9381
  18 Purnima
                         Rao
                                               NW9419
  19 Padma
                         Anjali
                                               TM0294
```

6. Listing candidates who are not eligible to contest in the elections as their country of birth is not United States



7. Listing the candidates who are eligible to vote

8. Using case statement, displaying the eligibility of the candidates based on their years of residence in the country

```
159 SELECT CANDIDATE ID, YRS OF RESIDENCE,
160
     CASE
                 YRS OF RESIDENCE >=14 THEN 'Eligible to contest'
161
          WHEN
162
                 YRS OF RESIDENCE < 14 THEN 'Not Eligible to contest'
          WHEN
163 END AS CONDITION
164
     FROM C BACKGROUND CHECK;
■ Script Output × Degry Result × Degry Result 1 × NSQL_PLAN.SQL_ID=g4bbdcyhhkf6t × Query Result 2 ×
📌 🖺 🙀 🗽 SQL | All Rows Fetched: 39 in 0.008 seconds
    <sup>19</sup> C 00019
                     34 Eligible to contest
  △ C 00020
21 C 0002
                     45 Eliqible to contest
                     23 Eligible to contest
  22 C
                     34 Eliqible to contest
      00022
  23 C
      00023
                     23Eliqible
                                   to contest
  24 C 00024
                     34Eliqible
                                   to contest
  25 C 00025
                     23 Eliqible
                                   to contest
  <sup>26</sup> C 00026
                     34 Eligible to contest
  <sup>27</sup> C 00027
                     23Eligible to contest
  28 C 00028
                     34Eliqible to contest
  29 C
                     23Eligible to contest
34Eligible to contest
      00029
      00030
  31 C
      00031
                     12Not Eligible to contest
  32 C 00032
                     23 Eligible to contest
  33 C 00033
                     34Eliqible to contest
                     35 Eligible to contest
  34 C 00034
  35 C 00035
                     45Eligible to contest
  <sup>36</sup> C 00036
                     36Eligible to contest
  37 C 00037
38 C 00038
39 C 00039
                     35 Eliqible to contest
                     34Eliqible to contest
                     23Eliqible
                                   to contest
```

9. Listing candidates who are not eligible in the election due to felony records

```
select a.c_felony, a.candidate_id,b.fname,b.lname from C_BACKGROUND_CHECK a join candidate b

on a.candidate_id=b.candidate_id

where c_felony='Yes'

177

178

179

180

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Query Result 1 x  VasQL_PLAN.SQL_ID=g4bbdyHhiffst x  Query Result 2 x

Script Output x  Query Result x  Que
```

10. Using decode, listing the terms served by the candidates

11. Listing the name of the party who has won in the past

```
select a.party_name, b.results, b.vote_term from party a join results b

186
on a.treasurer_id = b.treasurer_id where b.results = 'Won';

187
188

Query Result ×

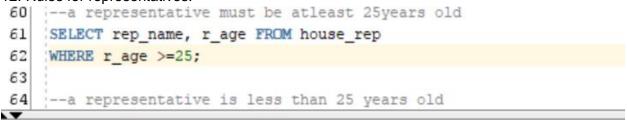
PARTY_NAME

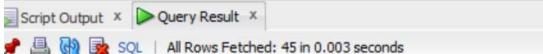
Republic

Won

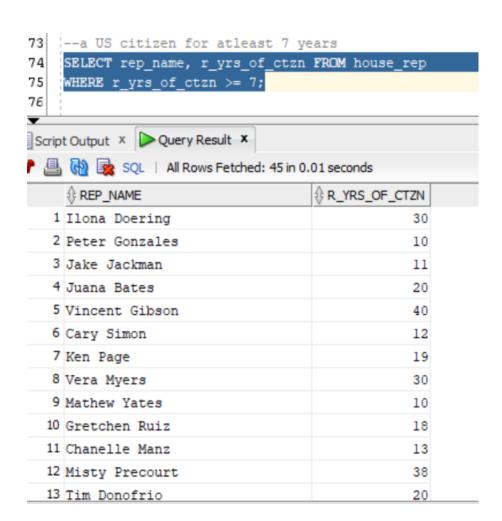
2016
```

12. Rules for representatives:

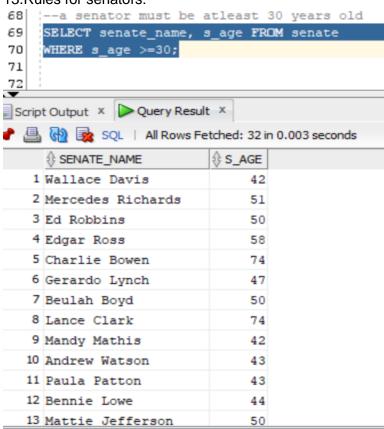




REP_NAME	∯ R_AGE
1 Ilona Doering	50
2 Peter Gonzales	35
3 Jake Jackman	33
4 Juana Bates	40
5 Vincent Gibson	51



13.Rules for senators:

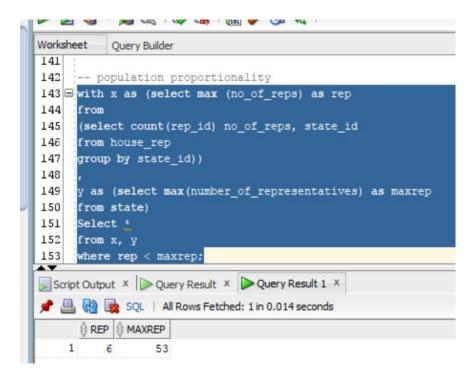


```
80 | -- a US citizen for atleast 9 years
     SELECT senate_name, s_yrs_of_ctzn FROM senat
 81
 82
     WHERE s_yrs_of_ctzn >= 9;
 83
~~
Script Output X Query Result X Query Result 1 X
🧨 📇 🙌 🗽 SQL | All Rows Fetched: 32 in 0.011 seconds

    SENATE_NAME

                            $ S_YRS_OF_CTZN
    1 Wallace Davis
                                         12
    2 Mercedes Richards
                                         22
    3 Ed Robbins
                                         32
    4 Edgar Ross
                                         44
    5 Charlie Bowen
                                         43
    6 Gerardo Lynch
                                         22
    7 Beulah Boyd
                                         11
    8 Lance Clark
                                         44
    9 Mandy Mathis
                                         33
                                         21
   10 Andrew Watson
   11 Paula Patton
                                         23
   12 Bennie Lowe
                                         10
   13 Mattie Jefferson
                                         12
```

14. The number of representatives per state is proportional to the population of that state



15. Events on same location on same day

```
265 SELECT location, event_count FROM
266 (SELECT location, count (date_of_event) as event_count
267 FROM campaigning_events
268 WHERE location NOT LIKE 'All%'
269 GROUP BY location)
270 WHERE event_count > 1;
271

Script Output × Query Result ×

Script Output × Query Result ×

LOCATION & EVENT_COUNT
1 California 2
```

16. The available balance needs to be checked before planning an event

