drop table CANDIDATE cascade constraints;

create table CANDIDATE

(CandidateName varchar2(30) NOT NULL,

CandidateID varchar2(4) NOT NULL,

Title varchar2(25),

HomeState varchar2(2) NOT NULL,

Age integer NOT NULL, check (Age >=35),

Gender char(1) NOT NULL,

Race varchar2(25) NOT NULL,

PartisanLeaning varchar2(15) NOT NULL,

primary key (CandidateID));

Insert into CANDIDATE values ('Bernie Sanders', 'BS1', 'Senator', 'VT', 78, 'M', 'White', 'Progressive');

Insert into CANDIDATE values ('Elizabeth Warren', 'EW2', 'Senator', 'MA', 70, 'F', 'White', 'Progressive');

Insert into CANDIDATE values ('Joe Biden', 'JB3', 'FMR VP of US', 'DE', 77, 'M', 'White', 'Moderate');

Insert into CANDIDATE values ('Andrew Yang', 'AY4', 'Entrepreneur', 'NY', 45, 'M', 'Asian-American', 'Progressive');

Insert into CANDIDATE values ('Tom Steyer','TS5', 'Philanthropist', 'CA', 62, 'M', 'White', 'Progressive');

Insert into CANDIDATE values ('Pete Buttigieg', 'PB6', 'Mayor', 'IN', 38, 'M', 'White', 'Moderate');

Insert into CANDIDATE values ('Cory Booker', 'CB7', 'Senator', 'NJ', 51, 'M', 'African-American', 'Progressive');

Insert into CANDIDATE values ('Amy Klobuchar', 'AK8', 'Senator', 'MN', 59, 'F', 'White', 'Moderate');

Insert into CANDIDATE values ('Julian Castro','JC9', 'FMR HUD Secretary', 'TX', 45, 'M', 'Hispanic', 'Progressive');

Insert into CANDIDATE values ('Tulsi Gabbard', 'TG10', 'Representative', 'HI', 39, 'F', 'Samoan-American', 'Moderate');

Insert into CANDIDATE values ('Michael Bloomberg', 'MB11', 'Mayor', 'NY', 78, 'M', 'White', 'Moderate');

drop table CAMPAIGN cascade constraints;

create table CAMPAIGN

(CandidateID varchar2(4) NOT NULL,

PledgedDelegates integer, check (PledgedDelegates <=3979),

Endorsements integer NOT NULL, check (Endorsements >=0 and Endorsements<=591),

MoneyRaised integer NOT NULL,

MoneySpent integer NOT NULL,

primary key (CandidateID));

/\*there are 435 reps, 100 senators, and 56 governors for a total of 591 possible

endorsements that are worth noting\*/

Insert into CAMPAIGN values ('JB3', 1457, 140, 134611000,108403000);

Insert into CAMPAIGN values ('BS1', 960, 11, 201340000,198547000);

Insert into CAMPAIGN values ('MB11', 55, 16, 1048974000,1051783000);

Insert into CAMPAIGN values ('EW2', 81, 15, 115870000,123908000);

Insert into CAMPAIGN values ('PB6', 26, 7, 101410000,96701000);

Insert into CAMPAIGN values ('AK8', 7, 7, 49892000,51671000);

Insert into CAMPAIGN values ('TG10', 2, 0, 12424000,14461000);

Insert into CAMPAIGN values ('AY4', 0, 0, 41204000,41210000);

Insert into CAMPAIGN values ('TS5', 0, 0, 326873000,339318000);

Insert into CAMPAIGN values ('JC9', 0, 2, 10283000,9738000);

Insert into CAMPAIGN values ('CB7', 0, 15, 22937000,23407000);

drop table STATERESULTS cascade constraints;

create table STATERESULTS

(StateID varchar2(2) NOT NULL,

CandidateID varchar2(4) NOT NULL,

DelegatesWon integer NOT NULL,

primary key (StateID,CandidateID));

Insert into STATERESULTS values ('CA', 'JB3', 172);

Insert into STATERESULTS values ('CA', 'BS1', 221);

Insert into STATERESULTS values ('CA', 'EW2', 12);

Insert into STATERESULTS values ('CA', 'MB11', 9);

Insert into STATERESULTS values ('NC', 'JB3', 68);

Insert into STATERESULTS values ('NC', 'BS1', 37);

Insert into STATERESULTS values ('NC', 'EW2', 2);

Insert into STATERESULTS values ('NC', 'MB11', 3);

Insert into STATERESULTS values ('TX', 'JB3', 111);

Insert into STATERESULTS values ('TX', 'BS1', 102);

Insert into STATERESULTS values ('TX', 'EW2', 5);

Insert into STATERESULTS values ('TX', 'MB11', 10);

drop table STATEINFO cascade constraints;

create table STATEINFO

(StateID varchar2(2) NOT NULL,

Winner varchar2(4) NOT NULL,

ElectionDate date NOT NULL, check (ElectionDate>= to\_date('03-FEB-20','DD-MON-YYYY') AND ElectionDate>=TO\_DATE('20-AUG-20','DD-MON-YYYY')),

primary key (StateID));

Insert into STATEINFO values ('CA', 'BS1', '03-MAR-20');

Insert into STATEINFO values ('NC', 'JB3', '03-MAR-20');

Insert into STATEINFO values ('TX', 'JB3', '03-MAR-20');

Insert into STATEINFO values ('IA', 'PB6', '03-FEB-20');

Insert into STATEINFO values ('IL', 'JB3', '17-MAR-20');

Insert into STATEINFO values ('MA', 'JB3', '3-MAR-20');

Insert into STATEINFO values ('MN', 'JB3', '3-MAR-20');

Insert into STATEINFO values ('VT', 'BS1', '3-MAR-20');

Insert into STATEINFO values ('NH', 'BS1', '11-FEB-20');

Insert into STATEINFO values ('NV', 'BS1', '22-FEB-20');

Insert into STATEINFO values ('SC', 'JB3', '29-FEB-20');

CREATE TRIGGER tcampaign AFTER DELETE ON CAMPAIGN FOR EACH ROW

delete from CANDIDATE where CandidateID=:old.candidateID

/

CREATE TRIGGER tStateResults AFTER INSERT ON STATERESULTS FOR EACH ROW

UPDATE CAMPAIGN SET PledgedDelegates = (PledgedDelegates+:NEW.DelegatesWon) where candidateID=:NEW.CandidateID

/

Democratic Primary Questions

1. Which candidate won the most recent election, in what state, when?

2. Which candidates won their home state so far and what state?

3. Who are the non-white candidates running for President, what’s their ethnicities?

4. What is the total amount of money raised and spent so far?

5. Who is the oldest candidate and the youngest candidate, how old are they?

6. How many of the candidates running are U.S. Senators? Who are they and what state are they from?

7. Who is winning the primary so far, how many delegates do they have?

8. How many delegates did Bloomberg win in CA, NC, and TX?

9. How many days has it been since the first election?

10. What states voted in February and who won them?

11. Organize the campaigns table based on the amount of money they raised.

**1)**SELECT CandidateName, StateID, ElectionDate FROM Candidate, StateInfo WHERE ElectionDate=(SELECT Max(ElectionDate) FROM STATEINFO) AND Winner=CandidateID;

*Joe Biden, IL, 17-MAR-20*

**2)**SELECT CandidateName, StateID FROM Candidate, StateInfo WHERE StateID=HomeState AND Winner=CandidateID;

*Bernie Sanders, VT*

**3)**SELECT CandidateName, Race FROM Candidate WHERE RACE!='White';

*Andrew Yang, Asian-American*

*Cory Booker, African-American*

*Julian Castro, Hispanic*

*Tulsi Gabbard, Samoan-American*

4)SELECT sum(moneyraised), sum(moneyspent) from Campaign;

*2065818000, 2059147000*

**5)**SELECT CandidateName, Age FROM Candidate Where Age=(select max(age) from Candidate);

SELECT CandidateName, Age FROM Candidate Where Age=(select min(age) from Candidate);

*Bernie Sanders, 78*

*Michael Bloomberg, 78*

*Pete Buttigieg, 38*

**6)**SELECT COUNT(\*) FROM CANDIDATE WHERE Title='Senator';

SELECT CandidateName, HomeState FROM CANDIDATE WHERE Title='Senator';

*4*

*Bernie Sanders, VT*

*Elizabeth Warren, MA*

*Cory Booker, NJ*

*Amy Klobuchar, MN*

**7)**SELECT CandidateName, PledgedDelegates FROM Candidate,Campaign WHERE candidate.candidateID=campaign.CandidateID AND PledgedDelegates=(SELECT Max(PledgedDelegates) FROM CAMPAIGN);

*Joe Biden, 1457*

**8)**SELECT Sum(DelegatesWon) FROM StateResults WHERE CandidateId = 'MB11';

*22*

**9)**SELECT round(SYSDATE-MIN(ElectionDate)) From stateinfo;

*98*

**10)**SELECT StateID, Winner, ElectionDate FROM StateInfo WHERE ElectionDate LIKE ('%-FEB-20');

*IA, PB6, 03-FEB-20*

*NH, BS1, 11-FEB-20*

*NV, BS1, 22-FEB-20*

*SC, JB3, 29-FEB-20*

**11)**SELECT \* from Campaign order by MoneyRaised desc;

*MB11, 55, 16, 1048974000, 1051783000*

*TS5, 0, 0, 326873000, 339318000*

*BS1, 960, 11, 201340000, 198547000*

*JB3, 1457, 140, 134611000, 108403000*

*EW2, 81, 15, 115870000, 123908000*

*PB6, 26, 7, 101410000, 96701000*

*AK8, 7, 7, 49892000, 51671000*

*AY4, 0, 0,41204000, 41210000*

*CB7, 0, 15, 22937000, 23407000*

*TG10, 2, 0, 12424000, 14461000*

*JC9, 0, 2, 10283000, 9738000*