

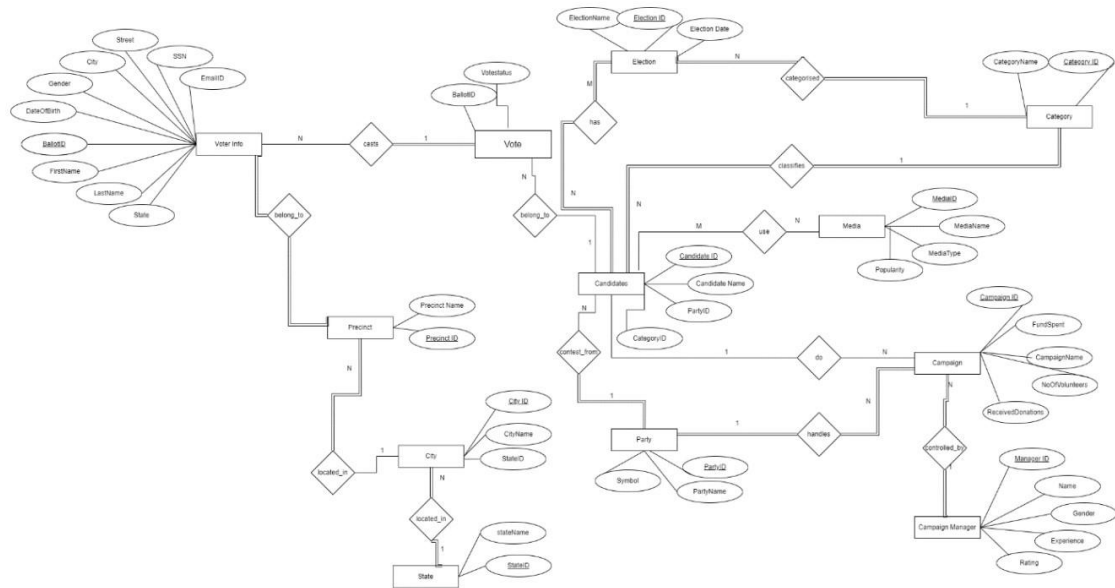
UE20CS301 DATABASE MANAGEMENT SYSTEM (DBMS)
MINI PROJECT REPORT

ELECTION MANAGEMENT SYSTEM

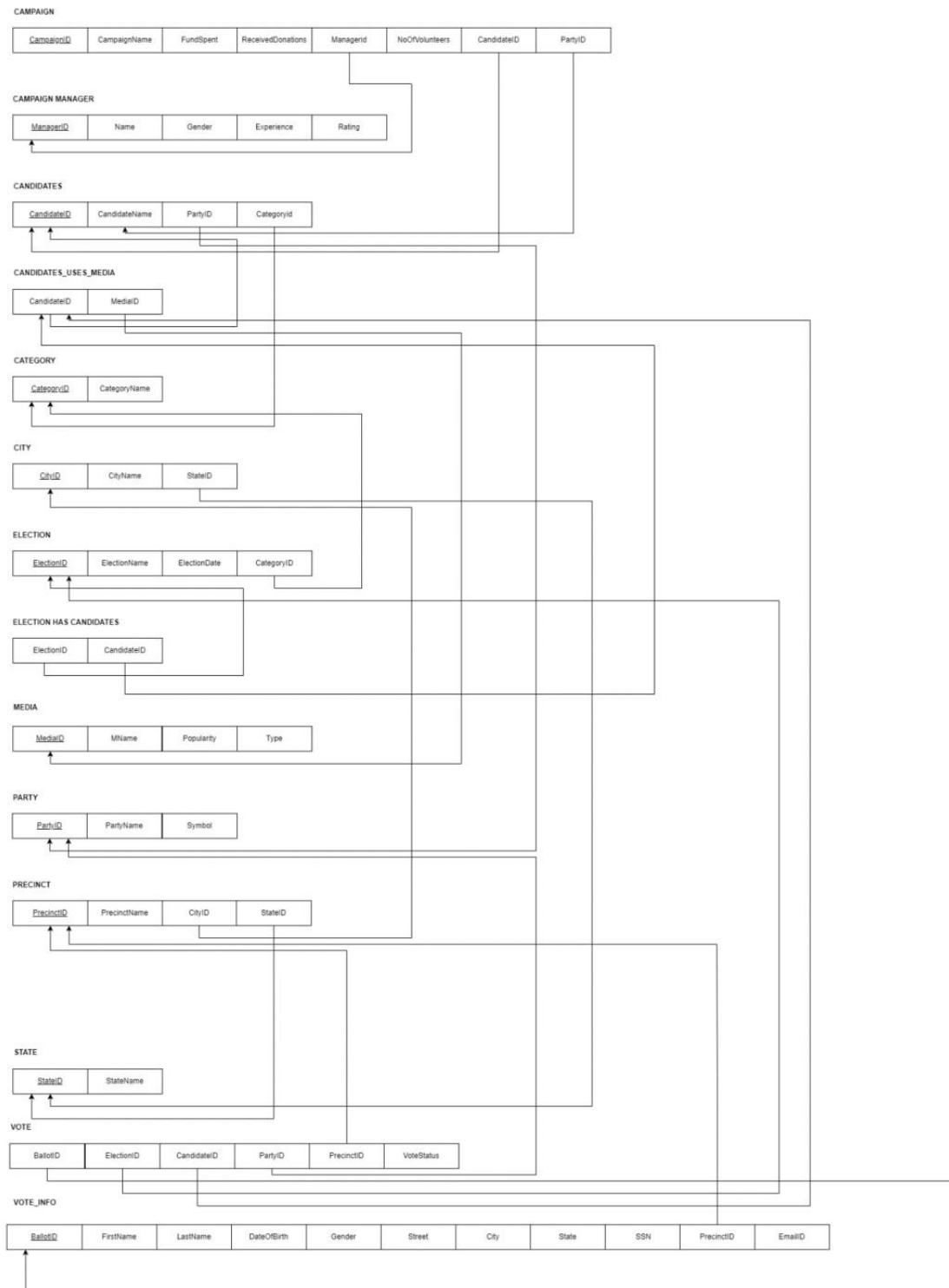
SUBMITTED BY :
REHAN AHMED(PES1UG22CS833)
SABUJ DAS(PES1UG22CS834)

V SEMESTER
SECTION: H

ER DIAGRAM



RELATIONAL SCHEMA



CREATING THE TABLES

```
CREATE TABLE campaign (  
  CampaignID varchar(60) NOT NULL,  
  CampaignName varchar(60) NOT NULL,  
  FundSpent varchar(45) NOT NULL,  
  ReceivedDonations varchar(45) NOT NULL,  
  ManagerID varchar(45) NOT NULL,  
  CandidateID int(11) NOT NULL,  
  PartyID varchar(60) NOT NULL,  
  PRIMARY KEY (CampaignID),  
  CONSTRAINT campaign_FK_1 FOREIGN KEY (CandidateID) REFERENCES candidates  
(CandidateID) ON DELETE NO ACTION ON UPDATE CASCADE,  
  CONSTRAINT campaign_FK_2 FOREIGN KEY (PartyID) REFERENCES candidates  
(PartyID) ON DELETE NO ACTION ON UPDATE CASCADE  
);  
  
CREATE TABLE campaignmanager(  
  ManagerID varchar(45) NOT NULL,  
  Name varchar(45) NOT NULL,  
  Gender varchar(45) NOT NULL,  
  Experience varchar(60) NOT NULL,  
  Rating int(11) DEFAULT NULL,  
  PRIMARY KEY (ManagerID)  
);  
  
CREATE TABLE candidates(  
  CandidateID int(11) NOT NULL,  
  CandidateName varchar(45) NOT NULL,  
  PartyID varchar(60) NOT NULL,  
  CategoryID varchar(45) DEFAULT NULL,  
  PRIMARY KEY (CandidateID),  
  CONSTRAINT candidates_FK_1 FOREIGN KEY (PartyID) REFERENCES party (PartyID)  
ON DELETE CASCADE ON UPDATE CASCADE,  
  CONSTRAINT candidates_FK_2 FOREIGN KEY (Categoryid) REFERENCES category  
(CategoryID)  
);  
  
CREATE TABLE candidates_uses_media(  
  CandidateID int(11) NOT NULL,  
  MediaID varchar(45) NOT NULL,  
  CONSTRAINT candidates_uses_media_FK_1 FOREIGN KEY (CandidateID) REFERENCES  
candidates (CandidateID) ON DELETE CASCADE ON UPDATE CASCADE,  
  CONSTRAINT candidates_uses_media_FK_2 FOREIGN KEY (MediaID) REFERENCES media  
(MediaID) ON DELETE CASCADE ON UPDATE CASCADE  
);  
  
CREATE TABLE category(  
  CategoryID int(11) NOT NULL,  
  CategoryName varchar(45) NOT NULL,  
  PRIMARY KEY (CategoryID)
```

```

    CategoryID varchar(60) NOT NULL,
    CategoryName varchar(45) NOT NULL,
    PRIMARY KEY (CategoryID)
);

CREATE TABLE city (
    CityID int(11) NOT NULL,
    CityName varchar(45) NOT NULL,
    StateID int(11) NOT NULL,
    PRIMARY KEY (CityID),
    CONSTRAINT city_FK FOREIGN KEY (StateID) REFERENCES state (StateID) ON
DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE election (
    ElectionID varchar(45) NOT NULL,
    ElectionName varchar(45) NOT NULL,
    ElectionDate varchar(45) NOT NULL,
    CategoryID varchar(60) NOT NULL,
    PRIMARY KEY (ElectionID),
    CONSTRAINT election_FK_1 FOREIGN KEY (CategoryID) REFERENCES category
(CategoryID) ON DELETE NO ACTION ON UPDATE NO ACTION
);

CREATE TABLE election_has_candidates (
    ElectionID varchar(45) NOT NULL,
    CandidateID int(11) NOT NULL,
    CONSTRAINT election_has_candidates_FK_1 FOREIGN KEY (ElectionID) REFERENCES
election (ElectionID) ON DELETE NO ACTION ON UPDATE NO ACTION,
    CONSTRAINT election_has_candidates_FK_2 FOREIGN KEY (CandidateID) REFERENCES
candidates (CandidateID) ON DELETE NO ACTION ON UPDATE NO ACTION
);

CREATE TABLE media (
    MediaID varchar(45) NOT NULL,
    Name varchar(45) NOT NULL,
    Type varchar(45) NOT NULL,
    Popularity varchar(45) NOT NULL,
    PRIMARY KEY (MediaID)
);

CREATE TABLE party (
    PartyID varchar(60) NOT NULL,
    PartyName varchar(45) NOT NULL,
    Symbol varchar(45) NOT NULL,
    PRIMARY KEY (PartyID)
);

```

```
CREATE TABLE precinct (
  PrecinctID int(11) NOT NULL,
  PrecinctName varchar(45) NOT NULL,
  CityID int(11) NOT NULL,
  StateID int(11) NOT NULL,
  PRIMARY KEY (PrecinctID),
  CONSTRAINT precinct_FK_1 FOREIGN KEY (CityID) REFERENCES city (CityID) ON
DELETE CASCADE ON UPDATE CASCADE,
  CONSTRAINT precinct_FK_2 FOREIGN KEY (StateID) REFERENCES state (StateID) ON
DELETE CASCADE ON UPDATE CASCADE
);

CREATE TABLE roles (
  roleID varchar(70) NOT NULL,
  rolename varchar(70) DEFAULT NULL,
  privileges varchar(70) DEFAULT NULL,
  PRIMARY KEY (roleID)
);

CREATE TABLE state (
  StateID int(11) NOT NULL,
  StateName varchar(45) NOT NULL,
  PRIMARY KEY (StateID)
);

CREATE TABLE vote (
  BallotID varchar(60) NOT NULL,
  ElectionID varchar(45) NOT NULL,
  CandidateID int(11) DEFAULT NULL,
  PartyID varchar(60) DEFAULT NULL,
  PrecinctID int(11) NOT NULL,
  VoteStatus varchar(45) NOT NULL,
  CONSTRAINT vote_FK_1 FOREIGN KEY (ElectionID) REFERENCES election
(ElectionID) ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT vote_FK_2 FOREIGN KEY (PartyID) REFERENCES party (PartyID) ON
DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT vote_FK_3 FOREIGN KEY (BallotID) REFERENCES voter_info (BallotID)
ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT vote_FK_4 FOREIGN KEY (PrecinctID) REFERENCES precinct
(PrecinctID) ON DELETE NO ACTION ON UPDATE NO ACTION
);
```

```
CREATE TABLE voter_info (  
  BallotID varchar(60) NOT NULL,  
  FirstName varchar(45) NOT NULL,  
  LastName varchar(45) NOT NULL,  
  DateOfBirth date NOT NULL,  
  Gender varchar(45) DEFAULT NULL,  
  Street varchar(45) NOT NULL,  
  City varchar(45) NOT NULL,  
  State varchar(45) NOT NULL,  
  SSN varchar(45) NOT NULL,  
  PrecinctID int(11) DEFAULT NULL,  
  EmailID varchar(40) DEFAULT NULL,  
  PRIMARY KEY (BallotID),  
  UNIQUE KEY SSN (SSN),  
  CONSTRAINT voter_info_FK_1 FOREIGN KEY (PrecinctID) REFERENCES precinct  
(PrecinctID) ON DELETE CASCADE ON UPDATE CASCADE  
);
```

INSERTING THE VALUES

```
INSERT INTO campaign VALUES ('a','Telling It Like It Is
!', '0.50', '0.34', 'm3', 620, 2005, 'p2'),
('b', 'Your Future To Believe In', '1.45', '1.75', 'm2', 3400, 1002, 'p1'),
('c', 'From Hope to Higher Ground', '0.95', '0.92', 'm5', 300, 2003, 'p2'),
('d', 'Forward Together', '3.30', '3.50', 'm1', 6000, 1001, 'p1'),
('e', 'People Fighting Back', '1.64', '1.62', 'm1', 850, 3005, 'p3'),
('f', 'Stronger Together', '1.95', '2.10', 'm4', 1100, 1005, 'p1'),
('g', 'Reform, Prosperity, Peace', '1.72', '1.74', 'm5', 565, 3003, 'p3'),
('h', 'Heal.Inspire.Revive', '1.25', '1.4', 'm3', 874, 2002, 'p2'),
('i', 'Hillary For America', '3.23', '3.32', 'm5', 1320, 1001, 'p1'),
('j', 'Fighting For Us', '1.25', '0.96', 'm5', 770, 1003, 'p1'),
('k', 'A Time For Truth', '1.85', '1.98', 'm4', 1250, 2004, 'p2'),
('l', 'Live Free', '1.45', '1.30', 'm2', 600, 1004, 'p1'),
('m', 'Right To Rise', '1.32', '1.39', 'm4', 780, 3004, 'p3'),
('n', 'It\'s never too late to do the right
thing', '1.72', '1.81', 'm2', 680, 3002, 'p3'),
('o', 'What Do We Have To Lose', '3.17', '3.15', 'm3', 1280, 2001, 'p2'),
('p', 'Citizenship Matters', '2.27', '2.35', 'm3', 1280, 3001, 'p3'),
('q', 'Ready For Change, Ready To Lead', '2.84', '2.83', 'm2', 1200, 1001, 'p1'),
('r', 'Make America Great again', '3.25', '3.33', 'm4', 5600, 2001, 'p2');
```

```
INSERT INTO candidates VALUES (1001, 'Joe Biden', 'p1', 'c1'),
(1002, 'Brooks Salazar', 'p1', 'c2'),
(1003, 'Ryan Calkins', 'p1', 'c3'),
(1004, 'John Creighton', 'p1', 'c4'),
(1005, 'Lisa Espinosa', 'p1', 'c6'),
(2001, 'Donald J.Trump', 'p2', 'c1'),
(2002, 'Mike Pence', 'p2', 'c2'),
(2003, 'Rex Tillerson', 'p2', 'c3'),
(2004, 'Steve Mnuchin', 'p2', 'c4'),
(2005, 'Wilbur Ross', 'p2', 'c5'),
(3001, 'Ahmed Abdi', 'p3', 'c1'),
(3002, 'Stephine Bowman', 'p3', 'c2'),
(3003, 'Preeti Shridhar', 'p3', 'c3'),
(3004, 'Sonny Perdue', 'p3', 'c5'),
(3005, 'Ben Carson', 'p3', 'c6');
```



```
INSERT INTO candidates_uses_media VALUES (1005,'media4'),
(1001,'media2'),
(1005,'media7'),
(2003,'media1'),
(2003,'media2'),
(2003,'media6'),
(1001,'media5'),
(1001,'media7'),
(1003,'media5'),
(1001,'media3'),
(1001,'media4'),
(1002,'media1'),
(1002,'media8'),
(1002,'media6'),
(1003,'media2'),
(1005,'media3'),
(1003,'media5'),
(2002,'media5'),
(1004,'media1'),
(1004,'media8'),
(2001,'media2'),
(2001,'media7');
```

```
INSERT INTO category VALUES ('c1','Presidential'),
('c2','US Senator'),
('c3','Judge'),
('c4','State Senator'),
('c5','County Executive'),
('c6','City Council');
```

```
INSERT INTO city VALUES (21,'NewYork City',2),
(22,'Buffalo',2),
(23,'Rochester',2),
(31,'Newark',3),
(32,'Trenton',3),
(33,'Jersey City',3),
(41,'Los Angeles',4),
(42,'King County',4),
(43,'Orange County',4);
```

```

INSERT INTO election VALUES ('e01','General Presidential 2012','2012-01-12','c1'),
('e02','General US Senator 2012','2012-04-27','c2'),
('e03','General Judge 2012','2012-09-06','c3'),
('e04','Primary State Senator 2013','2013-01-04','c4'),
('e05','Primary County Executive 2013','2013-07-04','c5'),
('e06','Primary City Council 2013','2013-09-25','c6'),
('e07','General US Senator 2014','2014-03-26','c2'),
('e08','General Judge 2014','2014-09-11','c3'),
('e09','Primary State Senator 2015','2015-02-23','c4'),
('e10','Primary County Executive 2015','2015-07-09','c5'),
('e11','Primary City Council 2015','2015-09-23','c6'),
('e12','General Presidential 2016','2016-01-26','c1'),
('e13','General US Senator 2016','2016-04-30','c2'),
('e14','General Judge 2016','2016-10-01','c3'),
('e15','Primary State Senator 2017','2017-01-13','c4'),
('e16','Primary County Executive 2017','2017-07-04','c5'),
('e17','Primary City Council 2017','2017-10-24','c6'),
('e18','General US Senator 2018','2018-03-31','c2'),
('e19','General Judge 2018','2018-09-02','c3'),
('e20','Primary State Senator 2019','2019-01-31','c4'),
('e21','Primary County Executive 2019','2019-07-06','c5'),
('e22','Primary City Council 2019','2019-09-13','c6'),
('e23','General Presidential 2020','2020-01-12','c1'),
('e24','General US Senator 2020','2020-04-19','c2'),
('e25','General Judge 2020','2020-09-11','c3');

```

```

INSERT INTO election_has_candidates VALUES ('e01',1001),
('e01',2001),
('e01',3001),
('e02',1002),
('e02',2002),
('e02',3002),
('e03',1003),
('e03',2003),
('e03',3003),
('e04',1004),
('e04',2004),
('e05',2005),
('e05',3004),
('e06',1005),
('e06',3005),
('e07',1002),
('e07',2002),
('e07',3002),
('e08',1003),
('e08',2003);

```

```
INSERT INTO media VALUES ('media1','BBC','TV','39.21%'),
('media2','The New York Times','Newspaper','52.65%'),
('media3','WABC','Radio','31%'),
('media4','CNN','TV','46%'),
('media5','FOX25','TV','56.2%'),
('media6','WBZ','Radio','29.3%'),
('media7','USA Today','Newspaper','56%'),
('media8','The WallStreet Journal','Newspaper','44.86%');
```

```
INSERT INTO party VALUES ('p1','Democrats','Deer'),
('p2','Republican','Elephant'),
('p3','Independents','Horse');
```

```
INSERT INTO precinct VALUES (211,'Bronx',21,2),
(212,'Brooklyn',21,2),
(213,'Manhattan',21,2),
(221,'Alden',22,2),
(222,'Buffalo',22,2),
(223,'Williamsville',22,2),
(231,'Brighton',23,2),
(232,'Gates',23,2),
(233,'Hamlin',23,2),
(311,'Bloomfield',31,3),
(312,'Caldwell',31,3),
(313,'Irvington',31,3),
(321,'Hamilton',32,3),
(322,'Lawrence',32,3),
(323,'Pennington',32,3),
(331,'Atlantic',33,3),
(332,'Burlington',33,3),
(333,'Cumberland',33,3);
```

```
INSERT INTO roles VALUES ('r1','Poll Worker','SELECT_EXECUTE'),
('r2','Election Admin','ALL');
```

```
INSERT INTO state VALUES (2,'New York'),
(3,'New Jersey'),
(4,'California');
```

```
INSERT INTO vote VALUES ('211-00','e01',1001,'p1',211,'Yes'),
('211-04','e02',2002,'p2',211,'Yes'),
('211-05','e03',1003,'p1',211,'Yes'),
('211-06','e04',1004,'p1',211,'Yes'),
('211-09','e05',3004,'p3',211,'Yes'),
('211-21','e06',1005,'p1',211,'Yes'),
('211-24','e07',1002,'p1',211,'Yes'),
('211-34','e08',2003,'p2',211,'Yes'),
('211-52','e09',1004,'p1',211,'Yes'),
('211-53','e10',2005,'p2',211,'Yes'),
('211-54','e11',NULL,NULL,211,'No'),
('211-61','e12',NULL,NULL,211,'No'),
('211-62','e13',1002,'p1',211,'Yes'),
('211-69','e14',2003,'p2',211,'Yes'),
('211-72','e15',1004,'p1',211,'Yes'),
('221-04','e16',2005,'p2',221,'Yes'),
('221-05','e17',1005,'p1',221,'Yes'),
('221-06','e18',1002,'p1',221,'Yes'),
('221-09','e19',1003,'p1',221,'Yes'),
('221-18','e20',1004,'p1',221,'Yes'),
('221-22','e21',2005,'p2',221,'Yes'),
('221-25','e22',1005,'p1',221,'Yes'),
('221-48','e23',NULL,NULL,221,'No'),
('221-49','e24',NULL,NULL,221,'No'),
('221-50','e25',1001,'p1',221,'Yes'),
('221-67','e01',2001,'p2',221,'Yes'),
('221-68','e02',2002,'p2',221,'Yes'),
('221-69','e03',1003,'p1',221,'Yes'),
('221-79','e04',1004,'p1',221,'Yes'),
('221-81','e05',2005,'p2',221,'Yes'),
('231-19','e06',1005,'p1',231,'Yes'),
('231-20','e07',1002,'p1',231,'Yes'),
('231-30','e08',2003,'p2',231,'Yes'),
('231-33','e09',1004,'p1',231,'Yes'),
('231-37','e10',NULL,NULL,231,'No'),
('231-40','e11',NULL,NULL,231,'No'),
('231-42','e12',1001,'p1',231,'Yes'),
('231-49','e13',2002,'p2',231,'Yes'),
('231-50','e14',1003,'p1',231,'Yes'),
('231-51','e15',2004,'p2',231,'Yes'),
('231-52','e16',3004,'p3',231,'Yes'),
('231-53','e17',1005,'p1',231,'Yes'),
('231-70','e18',2002,'p2',231,'Yes'),
('231-72','e19',1003,'p1',231,'Yes'),
('231-74','e20',1004,'p1',231,'Yes'),
('311-04','e21',2005,'p2',311,'Yes'),
('311-08','e22',NULL,NULL,311,'No'),
('311-11','e23',NULL,NULL,311,'No');
```

```
INSERT INTO voter_info VALUES ('211-00','Goldarina','Goulter','1986-08-17','Female','2 Brown Lane','NewYork City','New York','790-16-4053',211,'ggoulter4@redcross.org'),
('211-04','Darcy','Brokenshaw','1996-01-13','Female','56 Scofield Parkway','NewYork City','New York','842-89-7603',211,'dbrokenshaw0@networksolutions.com'),
('211-05','Dick','Keelin','1983-12-10','Male','24 Sunnyside Road','NewYork City','New York','318-53-4884',211,'dkeelin1@usatoday.com'),
('211-06','Washington','Agneau','1982-12-25','Male','98516 Bay Center','NewYork City','New York','139-04-5028',211,'wagneaua@nasa.gov'),
('211-09','Winnie','Gardiner','1973-12-20','Female','1 Eagle Crest Parkway','NewYork City','New York','292-91-2197',211,'wgardiner9@nba.com'),
('211-21','Jephthah','Mandrake','1970-09-09','Male','75 Straubel Street','NewYork City','New York','459-16-9568',211,'jmandrakeh@networksolutions.com'),
('211-24','Jackie','Trehwhitt','1966-02-22','Male','9739 Declaration Avenue','NewYork City','New York','743-31-9658',211,'jtrehwhittg@mac.com'),
('211-34','Maribel','Fairchild','1959-10-21','Female','85 Warner Pass','NewYork City','New York','687-83-4302',211,'mfairchild2@comsenz.com'),
('211-52','Talbot','Barkaway','1965-05-01','Male','49 Vera Alley','NewYork City','New York','665-94-4207',211,'tbarkaway6@homestead.com'),
('211-53','Brew','Eskrick','1969-01-29','Male','29 Waywood Pass','NewYork City','New York','672-30-7124',211,'beskrickj@ebay.co.uk'),
('211-54','Valle','Alfonsetti','1986-07-16','Male','4 Stang Way','NewYork City','New York','221-63-7646',211,'valfonsettic@army.mil'),
('211-61','Hervey','Anetts','1976-11-02','Male','93026 Kennedy Crossing','NewYork City','New York','876-19-1613',211,'hanetts8@answers.com'),
('211-62','Rudiger','Bowler','1964-02-23','Male','17 Vera Park','NewYork City','New York','113-89-2152',211,'rbowler7@goo.gl'),
('211-69','Millie','Hakonsson','1994-09-20','Female','27 Corry Point','NewYork City','New York','446-73-6387',211,'mhakonssone@xinhuanet.com'),
('211-72','Worthy','Ewbanck','1980-03-04','Male','4 Green Ridge Circle','NewYork City','New York','385-05-3672',211,'wewbancki@wiley.com'),
('221-04','Georgianna','Atley','1987-07-05','Female','3565 Novick Pass','Buffalo','New York','597-25-4935',221,'gatley2@51.la'),
('221-05','Denyse','Kitcat','1993-09-13','Female','6197 Ryan Court','Buffalo','New York','125-81-3162',221,'dkitcat0@nifty.com'),
('221-06','Munmro','Bugs','1983-03-14','Male','40 Maple Wood Parkway','Buffalo','New York','151-18-4905',221,'mbugsg@discovery.com'),
('221-09','Gianna','Extance','1989-11-04','Female','2528 Summit Alley','Buffalo','New York','432-36-2696',221,'gextance9@ftc.gov'),
('221-18','Fidel','Bamfield','1995-04-27','Male','1 Glacier Hill Crossing','Buffalo','New York','737-80-6207',221,'fbamfieldj@xinhuanet.com'),
('221-22','Hermon','Loads','1962-05-07','Male','070 Delaware Crossing','Buffalo','New York','679-95-9902',221,'hloads4@soundcloud.com'),
('221-25','Hayyim','Yann','1980-09-10','Male','167 Scofield Way','Buffalo','New York','410-10-9830',221,'hyann6@europa.eu'),
```

('221-48','Grantham','Perico','1981-06-25','Male','1936 Susan Parkway','Buffalo','New York','692-24-9293',221,'gpericod@google.fr'),
('221-49','Alec','Newtown','1954-07-31','Male','0596 Heffernan Plaza','Buffalo','New York','372-83-5111',221,'anewtowna@opensource.org'),
('221-50','Towny','Daubney','1970-02-06','Male','1488 Spenser Way','Buffalo','New York','899-49-3956',221,'tdaubneye@sbwire.com'),
('221-67','Benedick','Yegorkin','1960-09-27','Male','18790 Rigney Junction','Buffalo','New York','753-92-2571',221,'byegorkini@hao123.com'),
('221-68','Bjorn','Juszkiewicz','1979-06-13','Male','418 Kensington Circle','Buffalo','New York','681-06-4238',221,'bjuszkiewicz@youtu.be'),
('221-69','Sig','Heintsch','1985-02-02','Male','3490 Bayside Pass','Buffalo','New York','839-56-7886',221,'sheintschh@google.com'),
('221-79','Elden','McIntosh','1956-09-11','Male','70955 Raven Court','Buffalo','New York','326-26-6463',221,'emcintosh3@tuttocitta.it'),
('221-81','Eb','Symmons','1952-11-14','Male','1 Blue Bill Park Circle','Buffalo','New York','147-22-0239',221,'esymmons@ed.gov'),
('231-19','Tally','Garken','1952-01-06','Male','11201 Dennis Terrace','Rochester','New York','606-38-4378',231,'tgarken@myspace.com'),
('231-20','Martyn','Padbery','1957-05-20','Male','5 Meadow Valley Center','Rochester','New York','607-74-8596',231,'mpadbery2@typepad.com'),
('231-30','Susan','Mallall','1982-01-24','Female','8884 Commercial Avenue','Rochester','New York','649-75-3660',231,'smallalla@jimdo.com'),
('231-33','Aldous','Bassford','1987-08-31','Male','22157 Center Drive','Rochester','New York','160-97-8429',231,'abassfordf@ocn.ne.jp'),
('231-37','Fara','Harrop','1990-07-07','Female','896 Bunker Hill Terrace','Rochester','New York','347-78-2950',231,'fharrop0@walmart.com'),
('231-40','Maison','Harwood','1992-10-07','Male','0 Mosinee Center','Rochester','New York','503-79-9033',231,'mharwoodd@delicious.com'),
('231-42','Trude','Farny','1982-12-07','Female','83221 Merchant Way','Rochester','New York','855-77-5859',231,'tfarnyj@apple.com'),
('231-49','Isadore','Erik','1993-04-16','Male','8578 Meadow Valley Way','Rochester','New York','642-91-7593',231,'ierikb@networkadvertising.org'),
('231-50','Merry','Acock','1948-04-18','Female','9517 Petterle Avenue','Rochester','New York','524-10-5927',231,'macock8@va.gov'),
('231-51','Truda','Lopes','1959-12-09','Female','1784 Kings Point','Rochester','New York','811-75-1626',231,'tlopes5@sourceforge.net'),
('231-52','Brandtr','Zelner','1992-04-30','Male','29796 Coleman Crossing','Rochester','New York','893-40-3345',231,'bzelneri@mapquest.com'),
('231-53','Hanan','Undy','1966-07-17','Male','779 6th Pass','Rochester','New York','405-97-5170',231,'hundy1@usgs.gov'),
('231-70','Tracie','Sturzaker','1957-02-21','Male','2732 Stephen Avenue','Rochester','New York','267-43-0660',231,'tsturzaker@gizmodo.com'),
('231-72','Eugene','Betteriss','1974-08-04','Female','861 Texas Road','Rochester','New York','717-96-9159',231,'ebetteriss3@gov.uk'),
('231-74','Mauricio','Knagges','1951-01-18','Male','52 Southoff Center','Rochester','New York','362-66-1512',231,'mknagges7@state.gov');

FUNCTIONS

FUNCTION TO DETERMINE THE INCOME GENERATED BY A CAMPAIGN

```
DELIMITER ;;
CREATE FUNCTION Income(
  a VARCHAR(100),
  b VARCHAR(100))
RETURNS varchar(100) CHARSET utf8
BEGIN
  DECLARE ans VARCHAR(100);
  SET ans=0;
  SET ans=a-b;
  RETURN ans;
END ;;
DELIMITER ;
```

```
mysql> SELECT c.campaignid, c.campaignname, a.candidatename, TRUNCATE(Income(c.FundsSpent, c.ReceivedDonations), 2) AS INCOME_Million
-> FROM Campaign c
-> INNER JOIN candidates a
-> ON c.candidateid=a.candidateid
-> order by income_million desc;
```

campaignid	campaignname	candidatename	INCOME_Million
j	Fighting For Us	Ryan Calkins	0.29
a	Telling It Like It Is !	Wilbur Ross	0.16
l	Live Free	John Creighton	0.15
c	From Hope to Higher Ground	Rex Tillerson	0.03
o	What Do We Have To Lose	Donald J.Trump	0.02
e	People Fighting Back	Ben Carson	0.02
q	Ready For Change, Ready To Lead	Joe Biden	0.01
g	Reform, Prosperity, Peace	Preeti Shridhar	-0.02
m	Right To Rise	Sonny Perdue	-0.07
r	Make America Great again	Donald J.Trump	-0.08
p	Citizenship Matters	Ahmed Abdi	-0.08
i	Hillary For America	Joe Biden	-0.09
n	It's never too late to do the right thing	Stephine Bowman	-0.09
k	A Time For Truth	Steve Mnuchin	-0.13
f	Stronger Together	Lisa Espinosa	-0.15
h	Heal.Inspire.Revive	Mike Pence	-0.15
d	Forward Together	Joe Biden	-0.20
b	Your Future To Believe In	Brooks Salazar	-0.30

18 rows in set (0.01 sec)

JOINS

Query to retrieve only the ballot numbers of the voters who have voted

```
SELECT
V.BALLOTID,V.ELECTIONID,E.ELECTIONNAME,V.CANDIDATEID,C.CANDIDATENAME,V.PARTYID
,P.PARTYNAME
FROM VOTE V INNER JOIN ELECTION E INNER JOIN CANDIDATES C INNER JOIN PARTY P
ON V.ELECTIONID=E.ELECTIONID AND V.CANDIDATEID=C.CANDIDATEID AND
V.PARTYID=P.PARTYID
WHERE V.VOTESTATUS='YES'
order by electionid;
```

```
mysql> SELECT V.BALLOTID,V.ELECTIONID,E.ELECTIONNAME,V.CANDIDATEID,C.CANDIDATENAME,V.PARTYID,P.PARTYNAME
-> FROM VOTE V INNER JOIN ELECTION E INNER JOIN CANDIDATES C INNER JOIN PARTY P
-> ON V.ELECTIONID=E.ELECTIONID AND V.CANDIDATEID=C.CANDIDATEID AND V.PARTYID=P.PARTYID
-> WHERE V.VOTESTATUS='YES'
-> order by electionid;
```

BALLOTID	ELECTIONID	ELECTIONNAME	CANDIDATEID	CANDIDATENAME	PARTYID	PARTYNAME
211-00	e01	General Presidential 2012	1001	Joe Biden	p1	Democrats
331-00	e01	General Presidential 2012	2001	Donald J.Trump	p2	Republican
431-41	e01	General Presidential 2012	3001	Ahmed Abdi	p3	Independents
211-05	e01	General Presidential 2012	1002	Brooks Salazar	p2	Republican
211-05	e01	General Presidential 2012	1001	Joe Biden	p1	Democrats
311-24	e01	General Presidential 2012	1001	Joe Biden	p1	Democrats
221-67	e01	General Presidential 2012	2001	Donald J.Trump	p2	Republican
211-05	e01	General Presidential 2012	1001	Joe Biden	p1	Democrats
411-44	e01	General Presidential 2012	1001	Joe Biden	p1	Democrats
331-04	e02	General US Senator 2012	1002	Brooks Salazar	p1	Democrats
411-54	e02	General US Senator 2012	2002	Mike Pence	p2	Republican
211-04	e02	General US Senator 2012	2002	Mike Pence	p2	Republican
311-36	e02	General US Senator 2012	2002	Mike Pence	p2	Republican
221-68	e02	General US Senator 2012	2002	Mike Pence	p2	Republican
431-45	e02	General US Senator 2012	1002	Brooks Salazar	p1	Democrats
211-05	e03	General Judge 2012	1003	Ryan Calkins	p1	Democrats
331-05	e03	General Judge 2012	3003	Preeti Shridhar	p3	Independents
431-52	e03	General Judge 2012	2003	Rex Tillerson	p2	Republican
411-69	e03	General Judge 2012	2003	Rex Tillerson	p2	Republican
221-69	e03	General Judge 2012	1003	Ryan Calkins	p1	Democrats
311-43	e03	General Judge 2012	2003	Rex Tillerson	p2	Republican
211-06	e04	Primary State Senator 2013	1004	John Creighton	p1	Democrats
331-08	e04	Primary State Senator 2013	1004	John Creighton	p1	Democrats
311-53	e04	Primary State Senator 2013	1004	John Creighton	p1	Democrats
221-79	e04	Primary State Senator 2013	1004	John Creighton	p1	Democrats
431-53	e04	Primary State Senator 2013	1004	John Creighton	p1	Democrats
411-75	e04	Primary State Senator 2013	2004	Steve Mnuchin	p2	Republican
331-12	e05	Primary County Executive 2013	3004	Sonny Perdue	p3	Independents
311-56	e05	Primary County Executive 2013	3004	Sonny Perdue	p3	Independents
431-54	e05	Primary County Executive 2013	3004	Sonny Perdue	p3	Independents
221-81	e05	Primary County Executive 2013	2005	Wilbur Ross	p2	Republican
211-09	e05	Primary County Executive 2013	3004	Sonny Perdue	p3	Independents
411-77	e05	Primary County Executive 2013	3004	Sonny Perdue	p3	Independents
211-21	e06	Primary City Council 2013	1005	Lisa Espinosa	p1	Democrats
421-11	e06	Primary City Council 2013	1005	Lisa Espinosa	p1	Democrats
231-19	e06	Primary City Council 2013	1005	Lisa Espinosa	p1	Democrats
311-73	e06	Primary City Council 2013	3005	Ben Carson	p3	Independents
331-17	e06	Primary City Council 2013	3005	Ben Carson	p3	Independents
211-24	e07	General US Senator 2014	1002	Brooks Salazar	p1	Democrats
331-18	e07	General US Senator 2014	1002	Brooks Salazar	p1	Democrats
231-20	e07	General US Senator 2014	1002	Brooks Salazar	p1	Democrats
311-75	e07	General US Senator 2014	2002	Mike Pence	p2	Republican
431-58	e08	General Judge 2014	3003	Preeti Shridhar	p3	Independents

Query to get total no. of votes received by each candidate in each election

```
SELECT v.electionid,
       e.electionname,
       v.candidateid,
       c.candidatename,
       p.PartyName,
       COUNT(v.candidateid) AS Total_Votes
FROM vote v
INNER JOIN Candidates c
    ON v.CandidateID = c.candidateid
INNER JOIN Election e
    ON v.ElectionID = e.electionid
INNER JOIN Party p
    ON v.partyid = p.partyid
WHERE v.candidateid IS NOT NULL
    AND v.VoteStatus = 'yes'
GROUP BY v.electionid,
         v.candidateid,
         p.PartyName
ORDER BY v.electionID ASC,
         COUNT(v.candidateid) DESC;
```

```
mysql> SELECT v.electionid,
-> e.electionname,
-> v.candidateid,
-> c.candidatename,
-> p.PartyName,
-> COUNT(v.candidateid) AS Total_votes
-> FROM vote v
-> INNER JOIN Candidates c
-> ON v.CandidateID = c.candidateid
-> INNER JOIN Election e
-> ON v.ElectionID = e.electionid
-> INNER JOIN Party p
-> ON v.partyid = p.partyid
-> WHERE v.candidateid IS NOT NULL
-> AND v.VoteStatus = 'yes'
-> GROUP BY v.electionid,
-> v.candidateid,
-> p.PartyName
-> ORDER BY v.electionID ASC,
-> COUNT(v.candidateid) DESC;
```

	electionid	electionname	candidateid	candidatename	PartyName	Total_votes
e01		General Presidential 2012	1001	Joe Biden	Democrats	5
e01		General Presidential 2012	2001	Donald J.Trump	Republican	2
e01		General Presidential 2012	3001	Ahmed Abdi	Independents	1
e01		General Presidential 2012	1002	Brooks Salazar	Republican	1
e02		General US Senator 2012	2002	Mike Pence	Republican	4
e02		General US Senator 2012	1002	Brooks Salazar	Democrats	2
e03		General Judge 2012	2003	Rex Tillerson	Republican	3
e03		General Judge 2012	1003	Ryan Calkins	Democrats	2
e03		General Judge 2012	3003	Preeti Shridhar	Independents	1
e04		Primary State Senator 2013	1004	John Creighton	Democrats	5
e04		Primary State Senator 2013	2004	Steve Mnuchin	Republican	1
e05		Primary County Executive 2013	3004	Sonny Perdue	Independents	5
e05		Primary County Executive 2013	2005	Wilbur Ross	Republican	1
e06		Primary City Council 2013	1005	Lisa Espinosa	Democrats	3
e06		Primary City Council 2013	3005	Ben Carson	Independents	2
e07		General US Senator 2014	1002	Brooks Salazar	Democrats	3
e07		General US Senator 2014	2002	Mike Pence	Republican	1
e08		General Judge 2014	2003	Rex Tillerson	Republican	2
e08		General Judge 2014	3003	Preeti Shridhar	Independents	1
e08		General Judge 2014	1003	Ryan Calkins	Democrats	1
e09		Primary State Senator 2015	1004	John Creighton	Democrats	3
e10		Primary County Executive 2015	2005	Wilbur Ross	Republican	4
e11		Primary City Council 2015	1005	Lisa Espinosa	Democrats	3
e12		General Presidential 2016	1001	Joe Biden	Democrats	3
e12		General Presidential 2016	2001	Donald J.Trump	Republican	1
e13		General US Senator 2016	1002	Brooks Salazar	Democrats	3
e13		General US Senator 2016	2002	Mike Pence	Republican	3
e14		General Judge 2016	2003	Rex Tillerson	Republican	2
e14		General Judge 2016	1003	Ryan Calkins	Democrats	1
e15		Primary State Senator 2017	2004	Steve Mnuchin	Republican	3
e15		Primary State Senator 2017	1004	John Creighton	Democrats	2
e16		Primary County Executive 2017	3004	Sonny Perdue	Independents	3
e16		Primary County Executive 2017	2005	Wilbur Ross	Republican	1
e16		Primary County Executive 2017	2004	Steve Mnuchin	Republican	1
e17		Primary City Council 2017	1005	Lisa Espinosa	Democrats	5
e18		General US Senator 2018	1002	Brooks Salazar	Democrats	4
e18		General US Senator 2018	2002	Mike Pence	Republican	1
e19		General Judge 2018	2003	Rex Tillerson	Republican	2
e19		General Judge 2018	1003	Ryan Calkins	Democrats	2
e20		Primary State Senator 2019	1004	John Creighton	Democrats	2
e20		Primary State Senator 2019	2004	Steve Mnuchin	Republican	2
e21		Primary County Executive 2019	2005	Wilbur Ross	Republican	2

VIEWS

Votes for every candidate

```
CREATE VIEW Winner AS
SELECT v.electionid,e.electionname, v.candidateid, c.candidatename,
p.partyname, count(v.candidateid) AS Total_Votes
FROM vote v INNER JOIN Candidates c INNER JOIN Election e INNER JOIN Party p
ON v.ElectionID=e.electionid AND v.CandidateID=c.candidateid AND
v.partyid=p.partyid
WHERE v.candidateid is NOT NULL AND v.VoteStatus='yes'
GROUP BY v.electionid, v.CandidateID
ORDER BY v.electionID;
```

```
mysql> select * from winner;
```

electionid	electionname	candidateid	candidatename	partyname	Total_Votes
e01	General Presidential 2012	1001	Joe Biden	Democrats	5
e01	General Presidential 2012	1002	Brooks Salazar	Republican	1
e01	General Presidential 2012	2001	Donald J.Trump	Republican	2
e01	General Presidential 2012	3001	Ahmed Abdi	Independents	1
e02	General US Senator 2012	1002	Brooks Salazar	Democrats	2
e02	General US Senator 2012	2002	Mike Pence	Republican	4
e03	General Judge 2012	1003	Ryan Calkins	Democrats	2
e03	General Judge 2012	2003	Rex Tillerson	Republican	3
e03	General Judge 2012	3003	Preeti Shridhar	Independents	1
e04	Primary State Senator 2013	1004	John Creighton	Democrats	5
e04	Primary State Senator 2013	2004	Steve Mnuchin	Republican	1
e05	Primary County Executive 2013	2005	Wilbur Ross	Republican	1
e05	Primary County Executive 2013	3004	Sonny Perdue	Independents	5
e06	Primary City Council 2013	1005	Lisa Espinosa	Democrats	3
e06	Primary City Council 2013	3005	Ben Carson	Independents	2
e07	General US Senator 2014	1002	Brooks Salazar	Democrats	3
e07	General US Senator 2014	2002	Mike Pence	Republican	1
e08	General Judge 2014	1003	Ryan Calkins	Democrats	1
e08	General Judge 2014	2003	Rex Tillerson	Republican	2
e08	General Judge 2014	3003	Preeti Shridhar	Independents	1
e09	Primary State Senator 2015	1004	John Creighton	Democrats	3
e10	Primary County Executive 2015	2005	Wilbur Ross	Republican	4
e11	Primary City Council 2015	1005	Lisa Espinosa	Democrats	3
e12	General Presidential 2016	1001	Joe Biden	Democrats	3
e12	General Presidential 2016	2001	Donald J.Trump	Republican	1
e13	General US Senator 2016	1002	Brooks Salazar	Democrats	3
e13	General US Senator 2016	2002	Mike Pence	Republican	2
e14	General Judge 2016	1003	Ryan Calkins	Democrats	1
e14	General Judge 2016	2003	Rex Tillerson	Republican	4
e15	Primary State Senator 2017	1004	John Creighton	Democrats	2
e15	Primary State Senator 2017	2004	Steve Mnuchin	Republican	3
e16	Primary County Executive 2017	2004	Steve Mnuchin	Republican	1
e16	Primary County Executive 2017	2005	Wilbur Ross	Republican	1
e16	Primary County Executive 2017	3004	Sonny Perdue	Independents	3
e17	Primary City Council 2017	1005	Lisa Espinosa	Democrats	5
e18	General US Senator 2018	1002	Brooks Salazar	Democrats	4
e18	General US Senator 2018	2002	Mike Pence	Republican	1
e19	General Judge 2018	1003	Ryan Calkins	Democrats	2
e19	General Judge 2018	2003	Rex Tillerson	Republican	2
e20	Primary State Senator 2019	1004	John Creighton	Democrats	2
e20	Primary State Senator 2019	2004	Steve Mnuchin	Republican	1
e21	Primary County Executive 2019	2005	Wilbur Ross	Republican	2
e21	Primary County Executive 2019	3004	Sonny Perdue	Independents	1
e22	Primary City Council 2019	1005	Lisa Espinosa	Democrats	3
e23	General Presidential 2020	1001	Joe Biden	Democrats	2
e23	General Presidential 2020	2001	Donald J.Trump	Republican	1
e24	General US Senator 2020	1002	Brooks Salazar	Democrats	2
e24	General US Senator 2020	2002	Mike Pence	Republican	2
e25	General Judge 2020	1001	Joe Biden	Democrats	1
e25	General Judge 2020	1001	Joe Biden	Republican	2
e25	General Judge 2020	1003	Ryan Calkins	Democrats	4

```
51 rows in set (0.05 sec)
```

Total voters for every election

```
CREATE VIEW totalvoters
AS
select v.electionid, e.electionname, count(v.ballotid) as Total_votes
from vote v INNER JOIN election e
ON v.electionid=e.electionid
where v.votestatus='yes'
group by v.electionid
order by v.electionid;
select * from totalvoters;
```

```
mysql> select * from totalvoters;
```

electionid	electionname	Total_votes
e01	General Presidential 2012	10
e02	General US Senator 2012	6
e03	General Judge 2012	6
e04	Primary State Senator 2013	6
e05	Primary County Executive 2013	6
e06	Primary City Council 2013	5
e07	General US Senator 2014	4
e08	General Judge 2014	4
e09	Primary State Senator 2015	3
e10	Primary County Executive 2015	4
e11	Primary City Council 2015	3
e12	General Presidential 2016	4
e13	General US Senator 2016	5
e14	General Judge 2016	5
e15	Primary State Senator 2017	5
e16	Primary County Executive 2017	5
e17	Primary City Council 2017	5
e18	General US Senator 2018	5
e19	General Judge 2018	4
e20	Primary State Senator 2019	3
e21	Primary County Executive 2019	3
e22	Primary City Council 2019	3
e23	General Presidential 2020	3
e24	General US Senator 2020	4
e25	General Judge 2020	7

```
25 rows in set (0.00 sec)
```

PROCEDURE

Person who won a particular election for a specific candidate

```
DELIMITER $$
CREATE PROCEDURE campaigndetails(IN v varchar(60))
BEGIN
SELECT c.campaignid,
c.campaignname,cm.mediaid,mm.name,c.fundspent,c.receiveddonations,
TRUNCATE(Income(c.FundSpent,c.ReceivedDonations),2)
AS INCOME_Million,c.managerid,m.name as
Manager_Name,c.CandidateID,a.candidatename
FROM Campaign c
INNER JOIN candidates_uses_media cm
INNER JOIN candidates a
INNER JOIN campaignManager m
INNER JOIN media mm
ON c.candidateid=a.candidateid AND m.managerid=c.managerid AND
mm.MediaID=cm.MediaID AND cm.candidateid=a.CandidateID
where c.candidateid=v
order by campaignid;
END $$
DELIMITER ;
```

```
mysql> call campaigndetails(1002);
```

	campaignid	campaignname		mediaid	name	fundspent	receiveddonations	INCOME_Million	managerid	Manager_N
	ame	noofvolunteers	CandidateID	candidatename						
b		Your Future To Believe In	media1	BBC	1.45	1.75		-0.30	m2	Kim Fergu
son	3400		1002	Brooks Salazar						
b		Your Future To Believe In	media8	The wallStreet Journal	1.45	1.75		-0.30	m2	Kim Fergu
son	3400		1002	Brooks Salazar						
b		Your Future To Believe In	media6	WBZ	1.45	1.75		-0.30	m2	Kim Fergu
son	3400		1002	Brooks Salazar						

revenue for each campaign

```
DELIMITER $$
CREATE PROCEDURE campaignrevenue(IN b varchar(60))
BEGIN
SELECT c.campaignid, c.campaignname,
a.candidatename,p.partyname,TRUNCATE(Income(c.FundSpent,c.ReceivedDonations),2
) AS INCOME_Million
FROM Campaign c
INNER JOIN candidates a
INNER JOIN Party p
ON c.candidateid=a.candidateid AND p.partyid=a.PartyID
WHERE Campaignid= b
order by income_million desc;
END $$
DELIMITER ;
```

```
mysql> CALL campaignrevenue('g');
```

campaignid	campaignname	candidatename	partyname	INCOME_Million
g	Reform, Prosperity,Peace	Preeti Shridhar	Independents	-0.02

```
1 row in set (0.00 sec)
```

```
Query OK, 0 rows affected (0.01 sec)
```

TRIGGER

```
DELIMITER $$

CREATE TRIGGER triggervoter
BEFORE
INSERT ON Voter_Info
FOR EACH ROW BEGIN
    IF (NEW.precinctid NOT IN (select precinctid from precinct)) THEN
        SIGNAL SQLSTATE '02000' SET MESSAGE_TEXT = 'Warning: NO SUCH PRECIENT
EXISTS';
    END IF;
END$$

DELIMITER ;
```

The screenshot shows a web browser window with the URL `localhost:8502`. The application is titled "Election Management System". On the left, there is a sidebar menu with a "Create" button. The main content area has a section titled "Enter Voter Details:" with a dropdown menu set to "Voter_Info". Below this, there is a form with the following fields:

BallotID:	LastName:	Gender:	SSN:
211-07	Mccarty	Male	335-69-7543

FirstName:	DateOfBirth:	Street:	PrecinctID:
George	2001-11-11	church	566

City: New York
EmailID: gth@tdy.com
State: New York

Add Voter

DataError: 1643 (02000): Warning: NO SUCH PRECIENT EXISTS

Traceback:

CRUD USING STREAMLT

CREATE

main1 - Streamlit

localhost:8502

Menu

Create

Election Management System

Enter Voter Details:

Menu

Voter_Info

Enter Voter Details:

BallotID: 211-01

LastName: Mccarty

Gender: Male

SSN: 335-69-7523

FirstName: George

DateOfBirth: 2001-11-11

Street: church

PrecinctID: 211

City: New York

EmailID: gft@tdy.com

State: New York

Add Voter

Successfully added Voter: George

READ

main1 - Streamlit

localhost:8502

Menu

Read

Election Management System

View created tasks

View all Voter details

	BallotID	FirstName	LastName	DateOfBirth	Gender	Street	City
0	211-00	Goldarina	das	1996-08-17	F	2 Brown Lane	NewYork Cit
1	211-01	George		2001-11-11		church	
2	211-02	Goldarina		2011-11-12	male		
3	211-03	rehan	ahmed	2002-09-12	male	bayapnalli	NewYork Cit
4	211-04	Darcy	Brokenshaw	1996-01-13	Female	56 Scofield Parkway	NewYork Cit
5	211-05	Dick	Keelin	1983-12-10	Male	24 Sunnyside Road	NewYork Cit
6	211-06	Washington	Agneau	1982-12-25	Male	98516 Bay Center	NewYork Cit
7	211-07	George		2001-11-11		church	
8	211-09	Winnie	Gardiner	1973-12-20	Female	1 Eagle Crest Parkway	NewYork Cit
9	211-10	sabuj	das	2003-05-19	male	bangalore	bangalore

UPDATE

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localhost:8502

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Menu

Update

Current Voters

Voter to edit

Goldarina

Ballot ID:

211-00

LastName:

ROSY

Gender:

F

SSN:

790-16-4053

FirstName:

Goldarina

DateOfBirth:

1986-08-17

Street:

2 Brown Lane

PrecinctID:

211

City:

NewYork City

EmailID:

ggoulter4@redcross.o

State:

New York

Update Voter

Successfully updated:: Goldarina to ::Goldarina

Updated data

	BallotID	FirstName	LastName	DateOfBirth	Gender	Street	City
0	211-00	Goldarina	ROSY	1986-08-17	F	2 Brown Lane	NewYork Cit
1	211-01	George		2001-11-11		church	

DELETE

main1 - Streamlit

localhost:8502

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Menu

Delete

	BallotID	FirstName	LastName	DateOfBirth	Gender	Street	City
0	211-00	Goldarina	ROSY	1986-08-17	F	2 Brown Lane	NewYork Cit
1	211-01	George		2001-11-11		church	
2	211-02	Goldarina		2011-11-12	male		
3	211-03	rehan	ahmed	2002-09-12	male	bayapnalli	NewYork Cit
4	211-04	Darcy	Brokenshaw	1996-01-13	Female	56 Scofield Parkway	NewYork Cit
5	211-05	Dick	Keelin	1983-12-10	Male	24 Sunnyside Road	NewYork Cit
6	211-06	Washington	Agneau	1982-12-25	Male	98516 Bay Center	NewYork Cit
7	211-07	George		2001-11-11		church	
8	211-09	Winnie	Gardiner	1973-12-20	Female	1 Eagle Crest Parkway	NewYork Cit
9	211-10	sabuj	das	2003-05-19	male	bangalore	bangalore

Task to Delete

George

Do you want to delete ::George

Delete Voter

Voter information has been deleted successfully

Updated data

	BallotID	FirstName	LastName	DateOfBirth	Gender	Street	City
0	211-00	Goldarina	ROSY	1986-08-17	F	2 Brown Lane	NewYork Cit
1	211-02	Goldarina		2011-11-12	male		
2	211-03	rehan	ahmed	2002-09-12	male	bayapnalli	NewYork Cit
3	211-04	Darcy	Brokenshaw	1996-01-13	Female	56 Scofield Parkway	NewYork Cit