Create table Driver(driver\_id decimal primary key, first\_name varchar, last\_name varchar, gender char, email varchar, phone\_number varchar, primary\_policy\_holder bit)

Create table policy(policy\_id decimal primary key, driver\_id decimal references driver(driver\_id), policy\_number decimal, effective\_date date, issue\_date date, expired bit, payment\_type varchar)

Create table Accident(accident\_id decimal primary\_key, driver\_id decimal references driver(driver\_id), whether\_guilty bit, accident\_date date)

Create table vehicle(vehicle\_id decimal primary key, policy\_id decimal references policy(policy\_id), colour varchar, vehicle\_model varchar, vehicle\_year decimal)

Create table driver\_address( address\_id decimal primary\_key, driver\_id decimal references driver(driver\_id), driver\_country varchar, driver\_town varchar, driver\_street varchar, driver\_ZIP decimal)

Alter Table driver add Column policy\_id decimal references policy(policy\_id)

Create table traffic\_violation( violation\_id decimal primary key, driver\_id decimal references driver(driver\_id), violation\_date date, violation\_description varchar)

Create table policy\_payment (payment\_id decimal primary\_key, policy\_id decimal references policy(policy\_id), payment\_type varchar, payment\_amount decimal)

Alter table policy drop column payment\_type

Alter table policy add column payment\_id decimal references policy\_payment(payment\_id)

Create table accident\_cover(

Id decimal primary\_key, accident\_id decimal references accident(accident\_id), cover\_cost\_amount decimal)

Create table insurance\_sales\_agent(agent\_id decimal primary\_key, first\_name varchar, last\_name varchar, gender char, phone\_number decimal, salary\_amount decimal)

Create table driver\_agent (id decimal primary\_key, agent\_id decimal references insurance\_sales\_agent(agent\_id), driver\_id decimal references driver(driver\_id))

Alter Table driver drop column primary\_policy\_holder

Alter table driver add column primary\_policy\_holder Boolean

Insert into driver(driver\_id, first\_name, last\_name, gender, email, phone\_number, primary\_policy\_holder) values (1, ‘John’, ‘Hathorne’, ‘m’, ‘Medium@tos.com’, 87776665544, true)

Insert into driver(driver\_id, first\_name, last\_name, gender, email, phone\_number, primary\_policy\_holder) values (2, ‘John’, ‘William, ‘m’, ‘Veteran@tos.com’, 87776665545, true)

Insert into driver(driver\_id, first\_name, last\_name, gender, email, phone\_number, primary\_policy\_holder) values (3, ‘Deodat’, ‘Lawson’, ‘m’, ‘Mafioso@tos.com’, 87776665555, false)

Insert into driver(driver\_id, first\_name, last\_name, gender, email, phone\_number, primary\_policy\_holder) values (4, ‘Jonathan’, ‘Corwin’, ‘m’, ‘Investigator@tos.com’, 87776665533, true)

Insert into driver(driver\_id, first\_name, last\_name, gender, email, phone\_number, primary\_policy\_holder) values (5, ‘Mary’, ‘Warren’, ‘f’, ‘Godfather@tos.com’, 87777777777, false)

INSERT INTO policy(policy\_id, driver\_id, policy\_number, effective\_date) VALUES (1, 1, 101, '15-11-2020')

INSERT INTO policy(policy\_id, driver\_id, policy\_number, effective\_date) VALUES (2, 2, 102, '14-11-2020')

INSERT INTO policy(policy\_id, driver\_id, policy\_number, effective\_date) VALUES (3, 3, 103, '13-11-2020')

INSERT INTO policy(policy\_id, driver\_id, policy\_number, effective\_date) VALUES (4, 4, 104, '13-11-2020')

INSERT INTO policy(policy\_id, driver\_id, policy\_number, effective\_date) VALUES (5, 5, 105, '14-11-2020')

Alter table policy drop column expired

Alter table policy add column expired Boolean

UPDATE policy set expired = false where policy\_id>0

UPDATE policy set issue\_date = '01-01-2023' where policy\_id>0

insert into policy\_payment values (1, 1, 'monthly', 751)

insert into policy\_payment values (2, 2, 'monthly', 800)

insert into policy\_payment values (3, 3, 'monthly', 702)

insert into policy\_payment values (4, 4, 'yearly', 8000)

insert into policy\_payment values (5, 5, 'annually', 1502)

UPDATE policy set payment\_id = (select payment\_id from policy\_payment where policy.policy\_id = policy\_payment.policy\_id)

INSERT INTO driver\_address values (1, 5, 'United States of America', 'New York', 'Third Avenue', 10001)

INSERT INTO driver\_address values (2, 4, 'United States of America', 'New York', 'Fifth Avenue', 10005)

INSERT INTO driver\_address values (3, 3, 'United States of America', 'Washington', 'Montana Avenue', 20003)

INSERT INTO driver\_address values (4, 2, 'United States of America', 'Washington', 'Missouri Avenue', 20004)

INSERT INTO driver\_address values (5, 1, 'Kazakhstan', 'Nur-Sultan', 'Imanov St.', 010000)

ALTER TABLE driver ADD COLUMN address\_id decimal references driver\_address(address\_id)

UPDATE driver set address\_id = (select address\_id from driver\_address where driver.driver\_id = driver\_address.driver\_id)

UPDATE driver set policy\_id = (select policy\_id from policy where policy.driver\_id = driver.driver\_id)

ALTER TABLE driver ADD COLUMN vehicle\_id decimal references vehicle(vehicle\_id)

INSERT INTO vehicle VALUES (1, 4, 'red', 'Volkswagen', 2015)

INSERT INTO vehicle VALUES (2, 2, 'black', 'Volkswagen', 2019)

INSERT INTO vehicle VALUES (3, 1, 'white', 'Nissan', 2008)

INSERT INTO vehicle VALUES (4, 3, 'white', 'BMW', 2008)

INSERT INTO vehicle VALUES (5, 5, 'blue', 'BMW', 2020)

UPDATE vehicle set driver\_id = vehicle\_id

UPDATE driver set vehicle\_id = (select vehicle\_id from vehicle where driver.driver\_id = vehicle.driver\_id)

INSERT INTO traffic\_violation VALUES(1, 2, '03-10-2020', 'excessive speed')

INSERT INTO traffic\_violation VALUES(2, 2, '04-10-2020', 'No valid driver’s license')

INSERT INTO traffic\_violation VALUES(3, 2, '04-10-2020', 'Not stopping for pedestrians')

INSERT INTO traffic\_violation VALUES(4, 2, '04-10-2020', 'Driving under drugs/alcohol influence')

INSERT INTO traffic\_violation VALUES(5, 4, '21-10-2019', 'escessive speed')

alter table accident drop column whether\_guilty

alter table accident add column whether\_guilty Boolean

insert into accident values(1, 2, '04-10-2020', true)

insert into accident values(2, 2, '04-10-2020', true)

insert into accident values(3, 2, '03-10-2018', false)

insert into accident\_cover values(1, 1, 0)

insert into accident\_cover values(2, 2, 0)

insert into accident\_cover values(3, 3, 0)

INSERT INTO insurance\_sales\_agent values(1, ‘Giles', 'Corey', 'm', 87775553535, 6000)

INSERT INTO insurance\_sales\_agent values(2, 'Edward', 'Bishop', 'm', 87775553533, 5700)

INSERT INTO driver\_agent Values(1, 1, 2)

INSERT INTO driver\_agent Values(2, 1, 1)

INSERT INTO driver\_agent Values(3, 1, 3)

INSERT INTO driver\_agent Values(4, 2, 4)

INSERT INTO driver\_agent Values(5, 2, 5)