create database courier\_service;

use courier\_service;

create table Shipment(shipmentID int primary key, officeID int, deliveryManID int, cost double, status varchar(20), customerID varchar(8));

create table location(shipmentID int primary key, pickupStreet varchar(30), pickupCity varchar(30), pickupState varchar(30),

deliveryStreet varchar(30), deliveryCity varchar(30), deliveryState varchar(30),

foreign key (shipmentID) references shipment(shipmentID));

create table parcel(parcelID int primary key, weight double, dimension double, type varchar(15));

create table deliveryBoy(deliveryManID int primary key, name varchar(100), vehicleID int, rating double, phoneNumber bigint);

create table vehicle(vehicleID int primary key, vehicleName varchar(30), registrationNo varchar(20), cost double, capacity double, distance int);

create table office(officeID int primary key, contactNo bigint, email varchar(25), address varchar(35));

create table customer(customerID varchar(8) primary key, customerName varchar(25), phoneNumber bigint, email varchar(35), password varchar(5), gender varchar(6));

ALTER TABLE Shipment

ADD FOREIGN KEY (officeID) REFERENCES office(officeID);

ALTER TABLE Shipment

ADD FOREIGN KEY (deliveryManID) REFERENCES deliveryBoy(deliveryManID);

ALTER TABLE Shipment

ADD FOREIGN KEY (customerID) REFERENCES customer(customerID);

ALTER TABLE location

ADD FOREIGN KEY (shipmentID) REFERENCES shipment(shipmentID);

ALTER TABLE parcel

ADD FOREIGN KEY (parcelID) REFERENCES shipment(shipmentID);

ALTER TABLE deliveryBoy

ADD FOREIGN KEY (vehicleID) REFERENCES vehicle(vehicleID);

ALTER TABLE deliveryBoy

ADD CHECK (phoneNumber<=9999999999);

ALTER TABLE office

ADD CHECK (contactNo<=9999999999);

ALTER TABLE customer

ADD CHECK (phoneNumber<=9999999999);

ALTER TABLE customer

ADD CHECK (gender='M' or gender='F');

insert into vehicle values

(0,'Tata Winger 15','HR26DQ5551',750000,300,5000),

(1,'Tata Magic Van','MH20DV2366',500000,250,4000),

(2,'Mahindra Supro Van','DL1N4368',875000,600,7000),

(3,'Mahindra Supro Mini Van','KA19P8488',325000,400,3000),

(4,'Force Traveller 17','CH022002',425000,550,4500),

(5,'Force Trax Toofan 11','DL4CAF4943',575000,450,8000),

(6,'Tata Magic ','KA03MG2784',650000,500,5000),

(7,'Force Trax Toofan 11','MH20FV4353',700000,650,6500);

insert into office values

(0,4583749383,'office1@gmail.com','shop1,MI road, jaipur'),

(1,9347852901,'office2@gmail.com','secotr-21,GT road,New Delhi'),

(2,8293657402,'office3@gmail.com','1st floor,pink square ,jaipur'),

(3,6930748528,'office4@gmail.com','shop23,borivali , Mumbai');

insert into deliveryBoy values

(0,'Mark',0,2.5,1174592013),

(1,'Taylor',1,4.5,1176348290),

(2,'Harry',2,3,1176984116),

(3,'Jennifer',3,3.5,1176009822),

(4,'Michael',4,4.5,1174987221),

(5,'Daniel',5,2,1123147789),

(6,'George',6,4.5,1966947113),

(7,'John',7,5,1123439899);