CREATE TABLE BusCompany (

Cid INT PRIMARY KEY,

Cname VARCHAR2(20) UNIQUE,

Caddress VARCHAR2(20)

);

CREATE TABLE Bus (

Bid INT PRIMARY KEY,

Bno VARCHAR2(20) NOT NULL,

Capacity INT NOT NULL,

Cid INT NOT NULL,

FOREIGN KEY (Cid) REFERENCES BusCompany(Cid)

);

CREATE TABLE Ticket (

Tid INT PRIMARY KEY,

Destination VARCHAR2(20) NOT NULL,

ArrivalTime DATE NOT NULL,

DepartureTime DATE NOT NULL,

Bid INT NOT NULL,

FOREIGN KEY (Bid) REFERENCES Bus(Bid)

);

CREATE TABLE Passenger (

Pname VARCHAR2(20) NOT NULL,

Pid INT PRIMARY KEY,

Psex VARCHAR2(20) CHECK (Psex IN ('Male', 'Female', 'Other')),

P\_age INT NOT NULL,

Tid INT NOT NULL,

FOREIGN KEY (Tid) REFERENCES Ticket(Tid)

);

CREATE TABLE DRIVER

(

Did INT PRIMARY KEY,

Cid INT,

Dname VARCHAR(20) NOT NULL,

Dage INT NOT NULL,

Dsalary INT NOT NULL,

Dsex VARCHAR(20)CHECK (Dsex IN ('Male', 'Female', 'Other')),

licence\_no INT UNIQUE,

FOREIGN KEY (Cid) REFERENCES BusCompany(Cid)

);

CREATE TABLE Staff

(

Sid INT PRIMARY KEY,

Cid INT,

Sname VARCHAR(20) NOT NULL,

Sage INT NOT NULL,

Ssalary INT NOT NULL,

Ssex VARCHAR(20) CHECK (Ssex IN ('Male', 'Female', 'Other')),

POST VARCHAR(20) NOT NULL,

FOREIGN KEY (Cid) REFERENCES BusCompany(Cid)

);

CREATE TABLE BusCompany\_Email (

Cid INT,

Email VARCHAR2(20) NOT NULL,

FOREIGN KEY (Cid) REFERENCES BusCompany(Cid)

);

CREATE TABLE Passenger\_Phone

(

Pid INT,

Pphone INT NOT NULL,

FOREIGN KEY (Pid) REFERENCES Passenger(Pid)

)

CREATE TABLE DRIVER\_PHONE

(

Cid INT,

Dphone INT,

FOREIGN KEY (Cid) REFERENCES BusCompany(Cid)

);

CREATE TABLE STAFF\_PHONE

(

Cid INT,

Sphone INT,

FOREIGN KEY (Cid) REFERENCES BusCompany(Cid)

);

desc BusCompany;

desc Bus;

desc Ticket;

desc Passenger;

desc Driver;

desc Staff;

desc BusCompany\_Email;

desc Passenger\_Phone;

desc DRIVER\_PHONE;

desc STAFF\_PHONE;



















