Drop table Driver cascade constraints;

Drop table Vehicles cascade constraints;

Drop table Fines cascade constraints;

Drop table Officer cascade constraints;

Drop table Court cascade constraints;

Drop table FineReport cascade constraints;

Create Table Driver

(Licence\_Num number(10) primary key, First\_Name varchar2(10) not null, Middle\_Name varchar2(10), Last\_Name varchar2(10)not null , Gender varchar2 (10)not null , Address varchar2(30)not null , Total\_FinesAmount Number(10,5) );

Create Table Vehicles

(Plate\_Number varchar2(10) primary key, V\_Type varchar2 (30) not null,Color varchar2(10),Driver\_LN number(10) references Driver (Licence\_Num) ON Delete Cascade);

Create Table Fines

(FineID number (10) primary key , Amount NUMBER(10,5)not null ,Fine\_Type varchar2(50) not null );

Create Table Officer

(UserName varchar2(20) primary key, UserPassword varchar2(30) not null , Full\_Name varchar2(50) not null , Age Number);

Create Table Court

(CourtID Number primary key , Address varchar2(30)not null );

Create Table FineReport

(FineID number(10) references Fines (FineID) ON Delete Cascade , VPN varchar2(10) references Vehicles (Plate\_Number) ON Delete Cascade , CountTaken Number(5) , Court\_ID Number references Court (CourtID) ON Delete SET Null , Officer\_Uname varchar(20) references Officer (UserName) ON Delete SET Null, IsPaid varchar(1) , DueDate date , CONSTRAINT Fine\_PK PRIMARY KEY (VPN,FineID));

insert into Driver values

(1, 'xyz' , 'abc' , 'lmn' , 'Male' , '12St.S' , 1300 );

insert into Driver values

(2, 'Mai' , 'Ahmed' , 'Mohamed' , 'Female' , '21St.S' , 0 );

insert into Driver values

(3, 'Omar' , 'Hamed' , 'Mohamed' , 'Male' , '21St.S' , 0 );

insert into Driver values

(4, 'Mohamed' , 'Ahmed' , 'Omar' , 'Male' , '21St.S' , 100.5 );

insert into Driver values

(5, 'Ali' , 'Ahmed' , 'Mahmoud' , 'Male' , '55St.S' , 40.5 );

insert into Vehicles values

(1 , 'X' ,'Red' ,1);

insert into Vehicles values

(2, 'Audi' ,'Red' ,1);

insert into Vehicles values

(3, 'Bentley' ,'Black' ,5);

insert into Vehicles values

(4, 'BMW' ,'Blue' ,4);

insert into Vehicles values

(5, 'BMW' ,'White' ,3);

insert into Vehicles values

(6, 'Alfa Romeo' ,'White' ,2);

insert into Fines values

(1, 500 ,'Speed Limit' );

insert into Fines values

(2, 400 ,'Driving Without a License' );

insert into Fines values

(3, 40.5 ,'Break the Traffic Light' );

insert into Fines values

(4, 100.5 ,'Distracted Driving' );

insert into Officer values

('ah' , 'xy' , 'abcghi' , 40);

insert into Officer values

('Ali' , '12345' , 'Ali Mohamed' , 40);

insert into Officer values

('Adam\_ah' , 'XY23' , 'Adam Ahmed' , 30);

insert into Officer values

('Amr' , 'A12' , 'Amr Ali' , 45);

insert into Officer values

('Aymen' , 'Hello23' , 'Aymen Mohamed' , 29);

Insert Into Court values

(1 , '30ST.S' );

Insert Into Court values

(2, '25ST.S.cairo' );

Insert Into Court values

(3, '25ST.S.alex' );

insert into FineReport values

(1 , 1 ,1, 1 , 'ah', 'N' , current\_date+15);

insert into FineReport values

(2 , 1,1, 1 , 'Adam\_ah', 'N' , current\_date+15);

insert into FineReport values

(2 , 2,1, 2 , 'Amr', 'N' , current\_date+15);

insert into FineReport values

(3, 3,1, 3 , 'Ali', 'N' , current\_date+15);

insert into FineReport values

(4 , 4,1, 2 , 'Aymen', 'N' , current\_date+15);

Commit;