-- Customers Table

CREATE TABLE Customers (

customer\_id NUMBER PRIMARY KEY,

name VARCHAR2(100),

license\_number VARCHAR2(20),

cellphone VARCHAR2(20)

);

-- Vehicles Table

CREATE TABLE Vehicles (

vehicle\_id NUMBER PRIMARY KEY,

vehicle\_number VARCHAR2(20),

vehiclemodel VARCHAR2(20),

status VARCHAR2(20)

);

-- Bookings Table

CREATE TABLE Bookings (

booking\_id NUMBER PRIMARY KEY,

customer\_id NUMBER,

vehicle\_id NUMBER,

rental\_period\_start TIMESTAMP,

rental\_period\_end TIMESTAMP,

FOREIGN KEY (customer\_id) REFERENCES Customers(customer\_id),

FOREIGN KEY (vehicle\_id) REFERENCES Vehicles(vehicle\_id),

cost NUMBER

);

-- Admins Table

CREATE TABLE Admins (

admin\_id NUMBER PRIMARY KEY,

username VARCHAR2(50) UNIQUE,

password VARCHAR2(100)

);

CREATE SEQUENCE booking\_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

--procedures

create or replace procedure commit\_satut

(car\_id in number)

as

begin

update Vehicles set status='Rented' where vehicle\_id=car\_id;

end;

create or replace PROCEDURE CreateBooking(

p\_customer\_id IN NUMBER,

p\_vehicle\_id IN NUMBER,

p\_rental\_period\_start IN TIMESTAMP,

p\_rental\_period\_end IN TIMESTAMP

)

AS

BEGIN

INSERT INTO Bookings (booking\_id, customer\_id, vehicle\_id, rental\_period\_start, rental\_period\_end)

VALUES (booking\_seq.NEXTVAL, p\_customer\_id, p\_vehicle\_id, p\_rental\_period\_start, p\_rental\_period\_end);

COMMIT;

END;

create or replace procedure GetModleID

(beModel in varchar2, MID out sys\_refcursor)

as

begin

open MID for

select vehicle\_id from Vehicles where VEHICLEMODEL=beModel and status='Available';

end;

create or replace procedure GetRentID(RID out number)

as

begin

select max(booking\_id)

into RID

from Bookings;

end;

create or replace PROCEDURE Insert\_Rental

(

RID IN NUMBER,

cus\_Id IN NUMBER,

veh\_id IN NUMBER,

stat\_date IN TIMESTAMP,

end\_date IN TIMESTAMP,

thecost IN NUMBER

)

AS

BEGIN

INSERT INTO Bookings (booking\_id, customer\_id, vehicle\_id, rental\_period\_start, rental\_period\_end, cost)

VALUES (RID, cus\_Id, veh\_id, stat\_date, end\_date, thecost);

COMMIT;

END;

create or replace PROCEDURE UpdateVehicleStatus(

p\_vehicle\_id IN NUMBER,

p\_status IN VARCHAR2

)

AS

BEGIN

UPDATE Vehicles

SET status = p\_status

WHERE vehicle\_id = p\_vehicle\_id;

COMMIT;

END;

create or replace PROCEDURE ViewBookings(

p\_customer\_id IN NUMBER,

p\_result OUT SYS\_REFCURSOR

)

AS

BEGIN

OPEN p\_result FOR

SELECT \*

FROM Bookings

WHERE customer\_id = p\_customer\_id;

END;

-- Insert into Customers table

INSERT INTO Customers (customer\_id, name, license\_number, cellphone)

VALUES (101, 'John Doe', 'ABC123', '123-456-7890');

INSERT INTO Customers (customer\_id, name, license\_number, cellphone)

VALUES (102, 'Jane Smith', 'XYZ456', '987-654-3210');

INSERT INTO Customers (customer\_id, name, license\_number, cellphone)

VALUES (103, 'Alice Johnson', 'DEF789', '456-789-0123');

INSERT INTO Customers (customer\_id, name, license\_number, cellphone)

VALUES (104, 'Bob Brown', 'GHI321', '789-012-3456');

-- Insert into Vehicles table

INSERT INTO Vehicles (vehicle\_id, vehicle\_number, vehiclemodel, status)

VALUES (1, 'CAR001', 'Toyota Camry', 'Available');

INSERT INTO Vehicles (vehicle\_id, vehicle\_number, vehiclemodel, status)

VALUES (2, 'CAR002', 'Honda Civic', 'Available');

INSERT INTO Vehicles (vehicle\_id, vehicle\_number, vehiclemodel, status)

VALUES (3, 'CAR003', 'Ford Mustang', 'Available');

INSERT INTO Vehicles (vehicle\_id, vehicle\_number, vehiclemodel, status)

VALUES (4, 'CAR004', 'Chevrolet Cruze', 'Available');

-- Insert into Bookings table

INSERT INTO Bookings (booking\_id, customer\_id, vehicle\_id, rental\_period\_start, rental\_period\_end, cost)

VALUES (1, 101, 1, TIMESTAMP '2024-05-11 08:00:00', TIMESTAMP '2024-05-13 18:00:00', 200);

INSERT INTO Bookings (booking\_id, customer\_id, vehicle\_id, rental\_period\_start, rental\_period\_end, cost)

VALUES (2, 102, 2, TIMESTAMP '2024-05-12 09:00:00', TIMESTAMP '2024-05-15 16:00:00', 250);

INSERT INTO Bookings (booking\_id, customer\_id, vehicle\_id, rental\_period\_start, rental\_period\_end, cost)

VALUES (3, 103, 3, TIMESTAMP '2024-05-14 10:00:00', TIMESTAMP '2024-05-17 12:00:00', 300);

INSERT INTO Bookings (booking\_id, customer\_id, vehicle\_id, rental\_period\_start, rental\_period\_end, cost)

VALUES (4, 104, 4, TIMESTAMP '2024-05-16 11:00:00', TIMESTAMP '2024-05-19 14:00:00', 280);