

```
CREATE TABLE USERS (FNAME char(50),LNAME char(50), DOB DATE,  
STREET varchar2(50),CITY char(50),STATE char(50),ZIP varchar2(5),  
PHONE varchar2(10),  
EMAIL varchar2(225) NOT NULL,  
PASSWORD varchar2(50) NOT NULL, ADMINISTRATOR number(1,0));
```

```
ALTER TABLE USERS ADD CONSTRAINT USERS_PK PRIMARY KEY (EMAIL);
```

```
CREATE TABLE FLIGHT(  
flightNo int,  
airline varchar2(50),  
departure varchar2(100),  
departureTimestamp TIMESTAMP,  
destination varchar2(100),  
arrivalTimestamp TIMESTAMP  
);
```

```
-- DML Example: INSERT INTO FLIGHT VALUES(101,'American  
Airlines','BOS',TIMESTAMP '2024-05-30 17:59:00', 'LAX',TIMESTAMP '2024-05-30  
21:23:00');
```

```
ALTER TABLE FLIGHT ADD duration INTERVAL DAY TO SECOND GENERATED ALWAYS AS  
(arrivalTimestamp - DEPARTURETIMESTAMP) VIRTUAL;
```

```
CREATE TABLE DESTINATION_LOCATIONS (  
locationId int PRIMARY KEY,  
locationName varchar2(50)  
);
```

```
-- DML Example: INSERT INTO DESTINATION_LOCATIONS (locationId, locationName)  
VALUES (2, 'Logan Express Braintree');
```

```
CREATE TABLE PICKUP_DATES (  
dateId int PRIMARY KEY,  
pickupDate date  
);
```

```
-- DML Example: INSERT INTO PICKUP_DATES VALUES (1, DATE '2024-07-10');
```

```
CREATE TABLE PICKUP_TIMES (  
timeId int PRIMARY KEY,  
pickupTime varchar2(10)  
);
```

```
-- DML Example: INSERT INTO PICKUP_TIMES VALUES (1, '10:00 am');
```

```
CREATE TABLE RETURN_DATES(  
dateId int PRIMARY KEY,
```

```
returnDate date  
);
```

```
-- DML Example: INSERT INTO RETURN_DATES VALUES (1, DATE '2024-07-13');
```

```
CREATE TABLE RETURN_TIMES(  
timeId int PRIMARY KEY,  
returnTime varchar2(10)  
);
```

```
-- DML Example: INSERT INTO RETURN_TIMES VALUES (1, '11:00 am');
```

```
CREATE TABLE CARS(  
carId INT PRIMARY KEY,  
carName varchar2(50),  
carModel varchar2(50),  
mpg int,  
fuelType varchar2(20),  
numSeats int,  
carType varchar2(50), -- suv, sedan, etc  
numDoors int,  
rentRatePerDay decimal(10, 2),  
isAvailable CHAR(1) CHECK (isAvailable IN ('Y', 'N')),  
destinationLocationId INT,  
FOREIGN KEY (destinationLocationId) REFERENCES DESTINATION_LOCATIONS(locationId)  
);
```

```
CREATE TABLE BOOKINGS(  
bookingId int PRIMARY KEY,  
userEmail varchar2(225),  
carId int,  
pickupDateId int,  
pickupTimeId int,  
returnDateId int,  
returnTimeId int,  
driverLicenseNumber varchar2(20),  
cardNumber varchar2(20),  
cvv varchar2(4),  
expiryDate varchar2(10),  
nameOnCard varchar2(50),  
FOREIGN KEY (userEmail) REFERENCES USERS(EMAIL),  
FOREIGN KEY (carId) REFERENCES CARS(carId),  
FOREIGN KEY (pickupDateId) REFERENCES PICKUP_DATES(dateId),  
FOREIGN KEY (pickupTimeId) REFERENCES PICKUP_TIMES(timeId),  
FOREIGN KEY (returnDateId) REFERENCES RETURN_DATES(dateId),  
FOREIGN KEY (returnTimeId) REFERENCES RETURN_TIMES(timeId)  
);
```

```
-- DML Example: INSERT INTO CARS (carId, carName, carModel, mpg, fuelType,
numSeats, carType, numDoors, rentRatePerDay, isAvailable, destinationLocationId)
VALUES (1, 'Jeep Compass', '2021', 27, 'Petrol', 5, 'SUV', 4, 100.00, 'Y', 1);
```

```
CREATE TABLE TICKET (  
ticketID int GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,  
flightID int,  
classType varchar2(20),  
fare decimal(10,2)  
);
```

```
-- DML Example: INSERT INTO TICKET (flightID, classType, fare) VALUES (101,  
'Economy', 115);
```

```
ALTER TABLE TICKET ADD CONSTRAINT flight_FK FOREIGN KEY (flightID) REFERENCES  
FLIGHT (flightNo);
```

```
ALTER TABLE FLIGHT ADD CONSTRAINT flight_PK PRIMARY KEY (flightNo);
```

```
ALTER TABLE USERS ADD TICKET_ID int;
```

```
ALTER TABLE USERS ADD CONSTRAINT fticket_FK FOREIGN KEY (TICKET_ID) REFERENCES  
TICKET (ticketID);
```

```
ALTER TABLE TICKET ADD Email varchar2(225);
```

```
ALTER TABLE TICKET ADD CONSTRAINT email_FK FOREIGN KEY (Email) REFERENCES USERS  
(email);
```