**PROJECT OVERVIEW:**

**Smart Ride Analytics System** **is a ride-booking database solution that efficiently manages users, drivers, vehicles, rides, payments, and feedback. It provides real-time insights into ride statistics, revenue generation, and service quality.**

**DATABASE SCHEMA:**

**The database will consist of the following tables**

1. **Users**
   * **User\_id (Primary\_Key)**
   * **Name**
   * **Email**
   * **Phone\_Number**
   * **Registration\_Date**
   * **Location**
2. **Drivers**
   * + **Driver\_id (Primary\_Key)**
     + **Name**
     + **Vehicle\_Type**
     + **License\_No**
     + **Rating**
     + **Status**
3. **Rides**
   * **Ride\_id (Primary\_Key)**
   * **User\_id (Foreign\_Key)**
   * **Driver\_id (Foreign\_Key)**
   * **Pickup\_Location**
   * **Dropoff\_Location**
   * **Ride\_Status**
   * **Ride\_Date**
   * **Fare**
4. **Payments**
   * + **Payment\_id (Primary\_Key)**
     + **Ride\_id (Foreign\_Key)**
     + **Payment\_Method**
     + **Amount**
     + **Payment\_Date**
5. **Vehicle\_Details**

* **Vehicle\_id (Primary\_Key)**
* **Driver\_id (Foreign\_Key)**
* **Vehicle\_Type**
* **Vehicle\_No**
* **Model**
* **Year**

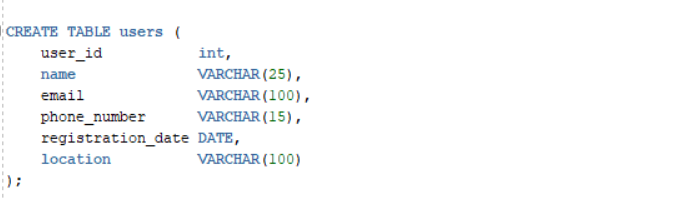
1. **Feedback**

* **Feedback\_id (Primary\_Key)**
* **Ride\_id (Foreign\_Key)**
* **User\_id (Foreign\_Key)**
* **Rating**
* **Comments**
* **Feedback\_Date**

**TABLE CREATION: Using SQL statements to create a table**

**DDL (Data Definition Language):**

**Table 1:**

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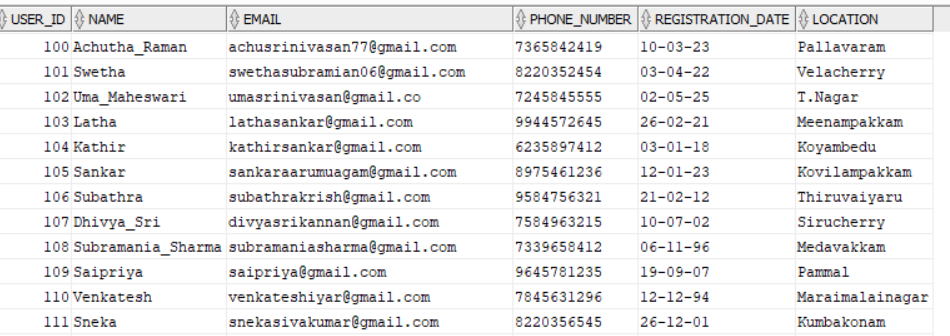
**(Similar create table queries for other tables)**

**DATA INSERTION:**

**DML (Data Manipulation Language):**

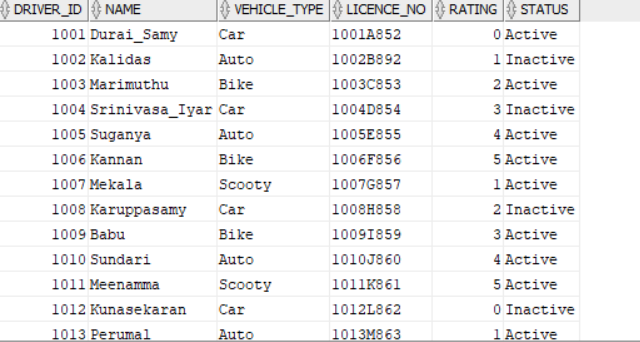
**Inserting sample data in Users table**

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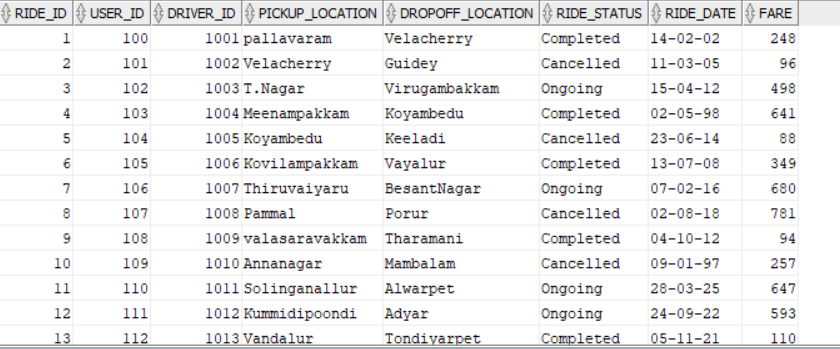
**Inserting data into Drivers table:**



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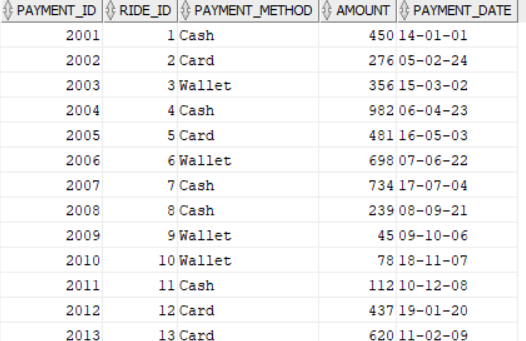
**Inserting data into Rides table:**



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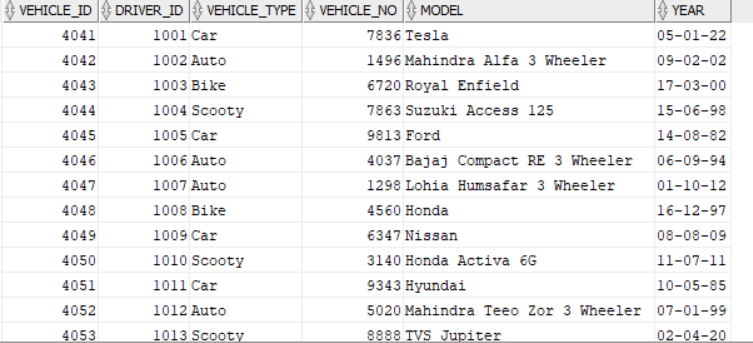
**Inserting data into Payments table:**



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**Inserting data into Vehicle\_Details table:**



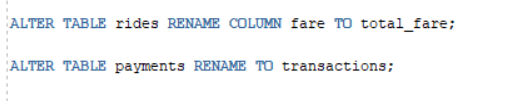
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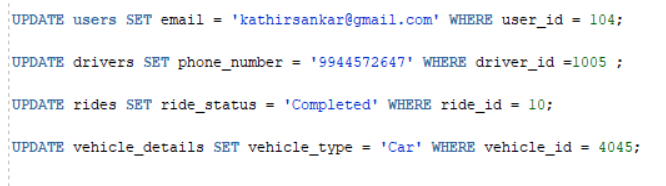
**Inserting data into Feedback table:**





**Alter, Update the records:**

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