|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Data Type | Size | Key | Description |
| Car | | | | |
| VIN | Varchar2 | 17 | Primary | The Vehicle Identification Number of the rental car. Can not be null |
| Model | Varchar2 | 30 |  | The model of the rental car |
| Year | Char | 4 |  | The year of the rental car |
| Color | Varchar2 | 30 |  | The color of the rental car |
| Make | Varchar2 | 30 |  | The make of the rental car |
| License Plate | Varchar2 | 8 | Candidate | The license plate number of the rental car |
| CClass | Varchar2 | 10 | Foreign | The classification of the car (subcompact, compact, sedan, and luxury are the available options) |
| StoreID | Varchar2 | 5 | Foreign | The identification number of the store |
|  |  |  |  |  |
| Store Location | | | | |
| StoreID | Varchar2 | 9 | Primary | The identification number of the store |
| Street | Varchar2 | 30 |  | The street of the store |
| City | Varchar2 | 30 |  | The city of the store |
| US State | Char | 2 |  | The state of the store in the United States |
| Postal Code | Char | 9 |  | The zip code of the store |
| Car Classification | | | | |
| CClass | Varchar2 | 10 | Primary | The classification of the car (subcompact, compact, sedan, and luxury are the available options) |
| Toll Pass | Varchar2 | 3 |  | The classification of the car could have an included toll road pass |
| Price | Number | 8 |  | The regular price before discounts or promotions |
| Discount Code | Varchar2 | 2 | Foreign | The discount employees get on renting a car |
| Rental Transaction | | | | |
| TransID | Number | 8 | Primary | The unique transaction identifier |
| Pickup Location | Varchar2 | 30 |  | The store the car was rented from |
| Dropoff Location | Varchar2 | 30 |  | The store the car was returned to |
| Beginning Odometer | Number | 8 |  | The odometer reading before pickup |
| End Odometer | Number | 8 |  | The odometer reading after the car is dropped off |
| End Tank | Varchar2 | 17 |  | The amount of fuel in the tank after the car is dropped off |
| Rental Date | Date |  |  | The date |
| Rental Policy | Varchar2 | 2 |  | Policy number decides length of rental |
| LicenseID | Varchar2 | 9 | Foreign | Person’s driver’s license number |
| VIN | Varchar2 | 17 | Foreign | The Vehicle Identification Number of the rental car |
| Person | | | | |
| License ID | Varchar2 | 9 | Primary | Person’s driver’s license number |
| First Name | Varchar2 | 30 | Candidate | Person’s first name |
| Last Name | Varchar2 | 30 | Candidate | Person’s last name |
| Street | Varchar2 | 30 |  | The street address of the person renting the car |
| City | Varchar2 | 30 |  | The city of the person renting the car |
| State | Char | 2 |  | The state of the person renting the car |
| Postal Code | Char | 9 |  | The zip code of the person renting the car |
| Phone #1 | Char | 10 |  | The home phone of the person renting the car |
| Phone #2 | Char | 10 |  | The cell phone of the person renting the car |
| MembershipLvl | Varchar2 | 15 |  | The level in the membership program |
| First Purchase Date | Date |  |  | Date of the first rental transaction between customer and business |
| Customer Type | Varchar2 | 2 |  | The type of customer. For example, a military veteran customer |
| Position Type | Varchar2 | 20 |  | The employee’s job classification |
| Position Title | Varchar2 | 20 |  | The employee’s job title |
| Benefits | Varchar2 | 12 |  | The type of benefits that the employee is enrolled in. They can either be enrolled in bronze, gold, or platinum |
| Start Date | Date |  |  | The date the employee first started working for the company |
| StoreID | Varchar2 | 9 | Foreign | The identification number of the store |
| Promotion | | | | |
| Discount Code | Varchar2 | 2 | Primary | The discount employees get on renting a car |
| Discount Type | Varchar2 | 12 |  | Explains how the discount will affect the classification |
| Discount Desc | Varchar2 | 30 |  | Describes the type of discount |

Assumptions

1. A person does not have more than two numbers.
2. A person can be an employee, a customer, or both.
3. The return date is predetermined at time of rental.
4. Street and rural route are the same thing.
5. Province and state are the same thing.
6. Store locations have at least one car.
7. Employees are assigned to exactly one store.
8. A car can be rented many times.
9. A rental transaction is limited to one car.
10. A car classification can only have one discount code at a time.