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| AutoNation Dealership |
| Course Section: CS605.641.82  Spring, 2021 |
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| **03/11/2021** |

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| Database Design Project Document |

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# Introduction

I recently had the pleasure of going through AutoNation to purchase my car and now I am going through this same process for my dad. After accessing their database of car to look for the car I wanted to purchase, I have decided to implement something like their data base for my project as well. I will be implementing AutoNation Dealer ship database, which will manage all the location of AutoNation and all the cars they have available as a company for sell. Though their data base handles much more like repairs, warranty, trade in, and Brand contracts. My database will focus on straight transaction between the customer and AutoNation.

## Scope and Purpose of Document

This document will discuss the requirements, design, and implementation of my AutoNation database. It will elaborate on several steps taken to work on the project. It will be a guide for someone to use if they want to update the following project to add more functionality or to expand the database to include more data from other departments under AutoNation. The person should also be able to create the same project from scratch using this as a guide. The purpose of this document serves as a written record to demonstrate the thinking process regarding the conceptual design, logical design, and implementation of the database, and to summarize the features implemented. We will start with explaining why we picked the project we picket. It will document the hardware and software requirement for the user to be able to recreate this system. In Requirement, we will emphasize on functional and database requirement to make sure that they are followed through this design and implementation. Each requirement will be implemented and tested at the end to make sure that the system has followed it.

After the requirement, in the project comes the data base design. We will follow a step-by-step guide to create the data base. First, we will start with the design. Creating a database without a good design would lead to several rework and time inefficiency. I will work on to create Entity Diagram to explain all the components that will live in the database and their relationship with each other. Data used in the system. Once, all of this is decided, I will start with the implementation. The document will also include SQL statement to access and use the database.

## Project Objective

The Objective of the database is to show store all the information involved in a transaction between a customer and AutoNation. It will help the company keep track of the numbers of Employee they have. How many contract and vehicles are sold by employee to which customer. The most important objective and assistance it would provide the employee and AutoNation is with their car inventory. The employee would always know which cars are available and they could help customer guide them to the car of their likings. The vehicle inventory will also help AutoNation to help them go and buy more cars to keep the inventory running, so they have all the cars their customers are looking to buy. Though vehicle might be parked at cheaper location for saving, but the employee would be able to see if the car is available and make it available for the customer by delivering or bringing the car to their own location. This will help the company save a lot of property expenditure as well.

# System Requirements

The System Requirements section are the configuration that a system must have for a hardware or software application to run smoothly and efficiently. It has all the hardware, software, Functional, and database requirements. This is the requirement section that the database will follow. All the requirements were first written on excel sheet for sorting and organization purpose. The later added requirement may not have in order REQ ID.

## Hardware Requirements

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
|  | **Hardware Requirements** |  |
| DB\_001 | The Hardware Processor shall run at 2GHz or more | TRUE |
| DB\_002 | The Hardware should have Ethernet connection with at least 25MBPS speed. | TRUE |
| DB\_003 | The Hardware shall have a hard drive of 100 GB of data | TRUE |
| DB\_004 | The Hardware shall have Ram of 8GB | TRUE |
| DB\_005 | The Hardware shall run 64-bit Applications | TRUE |

## Software Requirements

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_007 | **Software Requirements** | FALSE |
| DB\_008 | The Software shall have Microsoft Word 2016 running version 16.5 | TRUE |
| DB\_009 | The Software shall have Microsoft Excel 2016 running version 16.9 | TRUE |
| DB\_010 | The Software shall have an Internet Browser | TRUE |
| DB\_011 | The Software shall have GMAIL account to access draw.io diagrams | TRUE |
| DB\_012 | The Software shall have MySQL Workbench Community version 8.0.11 | TRUE |

## Functional Requirements

Functional Requirement cover any requirement that database should follow during the implementation phase of the Auto Nation Project. They will be update as the implementation might require.

### Auto Nation

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_014 | **AutoNation** | FALSE |
| DB\_015 | The Database shall have AutoNation as a Table | TRUE |
| DB\_016 | **AutoNation Attribute** | FALSE |
| DB\_017 | The AutoNation Table shall have Business \_ID as its Primary Key | TRUE |
| DB\_018 | The AutoNation Table shall have AutoNation Phone Number, which is 10 characters long, cannot be null, and must be unique. | TRUE |
| DB\_019 | **AutoNation Relationship** | FALSE |
| DB\_020 | An AutoNation can control one to many dealership | TRUE |
| DB\_021 | This is an Identifying Relation Ship where the Dealership cannot exist if it not controlled by AutoNation. | TRUE |

### Dealership

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_022 | **Dealership** | FALSE |
| DB\_023 | The Database shall have Dealership as a Table | TRUE |
| DB\_024 | **Dealership Attribute** | FALSE |
| DB\_025 | The Dealership shall have Dealership ID as its Primary Key | TRUE |
| DB\_026 | The Dealership Table shall have Dealership Phone Number, which is 10 characters long, cannot be null, and must be unique. | TRUE |
| DB\_027 | The Dealership Table shall have Dealership Name, which can be 45 character long and cannot be null | TRUE |
| DB\_028 | **Dealership Relationship** | FALSE |
| DB\_029 | Each Dealership is controlled by one and only one AutoNation | TRUE |
| DB\_030 | A Dealership can locate zero to many Vehicle | TRUE |
| DB\_031 | The Relationship between the Dealership and the Vehicle is Identifying relationship where if the vehicle is not located in one of the Dealership, then it should not be part of DB. | TRUE |
| DB\_032 | A Dealership can Hire one to many Vehicle | TRUE |
| DB\_033 | The Relationship between the Dealership and the Employee is Identifying relationship where Employee cannot exist if not hired by the Dealership. | TRUE |
| DB\_034 | A Dealership is located at one and only one address | TRUE |
| DB\_035 | The Relationship between Dealership and Address is Nonidentifying where Address can still exist if it is not the address of the Dealership. | TRUE |

### Address

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_036 | **Address** | FALSE |
| DB\_037 | The Database shall have Address as a Table | TRUE |
| DB\_038 | **Address Attribute** | FALSE |
| DB\_039 | The Address shall have Address ID as its Primary Key, which will auto increment as the address is added, and cannot be null. | TRUE |
| DB\_040 | The Address shall have Address Street, which can be 45 Char Long and cannot be NULL | TRUE |
| DB\_041 | The Address shall have Address State, which is 2 character long and cannot be NULL | TRUE |
| DB\_042 | The Address shall have Address County, which can be 15 character long and the Default value if not set for this attribute should be set to NULL. | TRUE |
| DB\_043 | The Address shall have Address Zip code, which is 5 character long, it will only take numbers, but present then as characters. The Zip code cannot be NULL. | TRUE |
| DB\_044 | **Address Relationship** | FALSE |
| DB\_045 | All the relationship with Address will be Non-Identifying. | TRUE |
| DB\_046 | An Address can locate one and only one Dealership | TRUE |
| DB\_047 | An Address can locate one and only one Employee | TRUE |
| DB\_048 | An Address can locate one and only one Customer | TRUE |

### Customer

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_049 | **Customer** | FALSE |
| DB\_050 | The Database shall have Customer Table | TRUE |
| DB\_051 | **Customer Attribute** | FALSE |
| DB\_052 | The Customer shall have Customer ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_053 | The Customer shall have Customer First Name. It will allow up to 45 character for the first name of the customer. This attribute cannot be NULL | TRUE |
| DB\_054 | The Customer shall have Customer Last Name. It will allow up to 45 character for the last name of the customer. The attribute cannot be NULL | TRUE |
| DB\_055 | The Customer shall have Customer Phone Number. It will allow up to 10 character for the Phone Number. The attribute cannot be NULL and must be unique | TRUE |
| DB\_056 | **Customer Relationship** | FALSE |
| DB\_057 | A Customer can be located at one and only one Address | TRUE |
| DB\_058 | A Customer can be Interact with 1 to many Employee | TRUE |
| DB\_059 | The Relationship between Customer and Employee is Identifying where a Customer will not be considered a customer till, they are helped by at least one Employee and added to the database. | TRUE |
| DB\_060 | A Customer can Selects zero to many contracts. | TRUE |

### Vehicle

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_061 | **Vehicle** | FALSE |
| DB\_062 | The Database shall have a Vehicle Table | TRUE |
| DB\_063 | **Vehicle Attribute** | FALSE |
| DB\_064 | The Vehicle shall have Vehicle ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_065 | The Vehicle shall have Vehicle Type, which will have a Total Participation, the default is set to 'Sedan'. | TRUE |
| DB\_200 | The Vehicle Type attribute shall be enforced to Sedan if NULL or not valid | TRUE |
| DB\_066 | The Vehicle Type can only be set to following types: | TRUE |
| DB\_067 | 1) Sedan | TRUE |
| DB\_068 | 2) Coupe | TRUE |
| DB\_069 | 3) Sports | TRUE |
| DB\_070 | 4) Station Wagon | TRUE |
| DB\_071 | 5) Hatchback | TRUE |
| DB\_072 | 6) Luxury | TRUE |
| DB\_073 | The Vehicle shall have a Vehicle Door which will have a Total Participation, this cannot be NULL. | TRUE |
| DB\_074 | The Vehicle Door can only be set to following | TRUE |
| DB\_075 | 1) 2 | TRUE |
| DB\_076 | 2) 4 | TRUE |
| DB\_194 | Vehicle is set to mandatory | TRUE |
| DB\_077 | The Vehicle shall have a Vehicle Year, which is default set to NULL | TRUE |
| DB\_078 | The Vehicle shall have a Vehicle VIN, which cannot be NULL and must be unique for each Vehicle | TRUE |
| DB\_195 | The Vehicle Price is limited between 1000.0 and 800000 | TRUE |
| DB\_079 | The Vehicle shall have a Vehicle Price, which is a decimal value and can store value between 0.0 to 999999.99. The Vehicle Price cannot be Null. | TRUE |
| DB\_080 | **Vehicle Relationship** | FALSE |
| DB\_081 | A Vehicle is located at one and only one Dealership. | TRUE |
| DB\_082 | A Vehicle is manufactured by one and only one Brand. | TRUE |
| DB\_083 | The Relationship between Vehicle and the Brand is Identifying relationship, where a vehicle does not exist if one of the given Brand have not manufactured it. | TRUE |
| DB\_084 | A Vehicle is assigned to 1 and only 1 contract. | TRUE |
| DB\_085 | The Relationship between Vehicle and Contract is non-Identifying, where a vehicle can be in the dealership without getting sold through a contract. | TRUE |

### Employee

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_086 | **Employee** | FALSE |
| DB\_087 | The Database shall have an Employee Table | TRUE |
| DB\_088 | **Employee Attribute** | FALSE |
| DB\_089 | The Employee shall have Employee ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_090 | The Employee shall have Employee First Name. It will allow up to 45 character for the first name of the Employee. The attribute cannot be NULL | TRUE |
| DB\_091 | The Employee shall have Employee Last Name. It will allow up to 45 character for the last name of the Employee. The attribute cannot be NULL | TRUE |
| DB\_092 | The Employee shall have Employee Phone Number. It will allow up to 10 character for the Phone Number. The attribute cannot be NULL and must be unique | TRUE |
| DB\_093 | The Employee shall have Employee SSN. It will allow up to 9 character for the SSN. The attribute cannot be NULL and must be unique | TRUE |
| DB\_094 | **Employee Relationship** | FALSE |
| DB\_095 | An Employee can be employed at one and only one Dealership | TRUE |
| DB\_096 | An Employee can be Located at one and only one Address | TRUE |
| DB\_097 | An Employee can Interact with zero to many Customers | TRUE |
| DB\_098 | The Relationship between Employee and Customer is Non-Identifying where an Employee can still be working without assisting any customer or have other roles. | TRUE |
| DB\_099 | An Employee can have one to many Employee Role | TRUE |
| DB\_100 | Employee can create zero to many contracts | TRUE |
| DB\_101 | This is an identifying relationship where the Contract will not exist if the Employee does not create it. | TRUE |

### Brand

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_102 | **Brand** | FALSE |
| DB\_103 | The Database shall have a Brand Table | TRUE |
| DB\_104 | **Brand Attribute** | FALSE |
| DB\_105 | The Brand shall have Brand ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_106 | The Brand shall have Brand Name which can be 45 character long, this will be limited to certain Brands. The name cannot be NULL and must be unique | TRUE |
| DB\_107 | The Brand shall have Brand Country which can be 45 character long, this will be limited to certain Country. The Country cannot be NULL | TRUE |
| DB\_108 | **Brand Relationship** | FALSE |
| DB\_109 | A Brand can Manufacture zero to Many Vehicles | TRUE |

### Employee Role

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_110 | **Employee Role** | FALSE |
| DB\_111 | The Database shall have an Employee Role Table | TRUE |
| DB\_112 | **Employee Role Attribute** | FALSE |
| DB\_113 | The Employee Role shall have Employee Role ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_114 | The Employee Role shall have Employee Role Name which cannot be null and is unique. The Role will be limited to certain role name. | TRUE |
| DB\_201 | Employee Name shall be restricted to the following: | TRUE |
| DB\_202 | 1. 'Salesman' | TRUE |
| DB\_203 | 1. 'Manager' | TRUE |
| DB\_204 | 1. 'Finance Manager' | TRUE |
| DB\_205 | 1. 'Mechanic' | TRUE |
| DB\_206 | 1. 'Representative' | TRUE |
| DB\_207 | An Employee Role does not have to be assigned to an employee for it to exist in the database . | TRUE |
| DB\_115 | **Employee Role Relationship** | FALSE |
| DB\_116 | An Employee Role can be assigned to zero to many Employee, where a role might not be assigned to any of the Employee. | TRUE |

### Contract

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_117 | **Contract** | FALSE |
| DB\_118 | The Database shall have a Contract Table | TRUE |
| DB\_119 | **Contract Attribute** | FALSE |
| DB\_120 | The Contract shall have Contract ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_121 | The Contract shall have a Warranty which is defaulted to 12 if not set. | TRUE |
| DB\_122 | The Contract shall have an Insurance attribute which would be a Boolean. It will be defaulted too False. | TRUE |
| DB\_123 | **Contract Relationship** | FALSE |
| DB\_124 | A Contract can be assigned to 1 to many vehicles, where one contract could have multiple cars being sold in it. | TRUE |
| DB\_125 | A Contract is Created by one and only one Employee | TRUE |
| DB\_126 | A Contract can only be selected by one and only one Customer. | TRUE |
| DB\_127 | The Relationship between Customer and Contract is Identifying where a Contract is created only for the Customer. | TRUE |
| DB\_128 | A Contract can be paid by one and only one payment Type | TRUE |
| DB\_129 | The Relationship between Contract and Payment is Non-Identifying | TRUE |
| DB\_130 | The Payment Type will still be available without any Contract | TRUE |

### Payment Type

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_131 | **Payment Type** | FALSE |
| DB\_132 | The Database shall have a Payment Type Table | TRUE |
| DB\_133 | **Payment Type Attribute** | FALSE |
| DB\_134 | The Payment Type shall have Payment Type ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_135 | The Payment Type shall have Payment Amount which can be between 0.0 and 999999.99 and it cannot be NULL | FALSE |
| DB\_136 | **Payment Type Relationship** | FALSE |
| DB\_137 | The Payment Type can be used to pay for one and only one Contract | TRUE |
| DB\_138 | The Payment Type offers one to many Loan | TRUE |
| DB\_139 | The Payment Type offers one to many Lease | TRUE |

### Lease

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_140 | **Lease** | FALSE |
| DB\_141 | The Database shall have a Lease Table | TRUE |
| DB\_142 | **Lease Attribute** | FALSE |
| DB\_143 | The Lease shall have Lease ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_144 | The Lease shall have a Lease Term which is an ENUM with total participation, The Default Value is set to 36 and therefore cannot be NULL | TRUE |
| DB\_145 | The Lease Term can have following Values | TRUE |
| DB\_146 | 1) 36 | TRUE |
| DB\_147 | 2) 48 | TRUE |
| DB\_148 | 3) 60 | TRUE |
| DB\_193 | The lease term is set to 60 if no down payment. | TRUE |
| DB\_149 | The Lease shall have a Lease Miles which is an ENUM with total participation. The Default Value is set to 10000. The Lease Miles cannot be NULL | TRUE |
| DB\_150 | The Lease Miles can have following Values | TRUE |
| DB\_151 | 1) 10000 | TRUE |
| DB\_152 | 2) 12000 | TRUE |
| DB\_153 | 3) 15000 | TRUE |
| DB\_154 | The Lease shall have a Lease Down payment which can be NULL. The Down payment can be between 0.0 to 9999.99 | TRUE |
| DB\_155 | The Lease shall have a Residual Value and the Default is set to 62.00 | TRUE |
| DB\_208 | The Lease Residual Value shall be restricted between the Value of 40.0% and 72.0% | TRUE |
| DB\_156 | **Lease Relationship** | FALSE |
| DB\_157 | A Lease can be offered as one and only one Payment Type | TRUE |
| DB\_158 | Non-Identifying relationship between Lease and Payment Type. | TRUE |

### Loan

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_159 | **Loan** | FALSE |
| DB\_160 | The Database shall have a Loan Table | TRUE |
| DB\_161 | **Loan Attribute** | FALSE |
| DB\_162 | The Loan shall have Loan ID as its Primary Key, which will auto increment, cannot be null, and is unique. | TRUE |
| DB\_163 | The Loan shall have a Lease Interest which cannot be NULL. The Interest can be between 0.0 to 9.99 | TRUE |
| DB\_192 | The Loan Interest is limited to 1.0 to 6.0 | TRUE |
| DB\_164 | The Loan shall have a Lease Down Payment which cannot be NULL. | TRUE |
| DB\_209 | The Down Payment can be between 1000 to 7000 | TRUE |
| DB\_165 | The Loan shall have a Loan Term which is an ENUM with total participation, The Default Value is set to 60 and therefore cannot be NULL | TRUE |
| DB\_166 | The Loan Term can have following Values | TRUE |
| DB\_167 | 1) 48 | TRUE |
| DB\_168 | 2) 60 | TRUE |
| DB\_169 | 3) 72 | TRUE |
| DB\_191 | The Loan Term is set to 72 if the down payment is NULL or set to less than 100. | TRUE |
| DB\_170 | **Loan Relationship** | FALSE |
| DB\_171 | A Loan can be offered as one and only one Payment Type | TRUE |
| DB\_172 | Non-Identifying relationship between Loan and Payment Type. | TRUE |

## Database Requirements

|  |  |  |
| --- | --- | --- |
| Req ID | Req Text | Req |
| DB\_173 | **Database Requirement** | FALSE |
| DB\_174 | The Database shall have a connection manager | TRUE |
| DB\_175 | The Database shall work with Microsoft Windows 7 or newer | TRUE |
| DB\_176 | The Database SQL Editor shall have schema object browsing | TRUE |
| DB\_177 | The Database SQL Editor shall have Inspection of schema | TRUE |
| DB\_178 | The Database SQL Editor shall have search of schema | TRUE |
| DB\_179 | The Database SQL Editor shall have highlighting and statement parsing capability | TRUE |
| DB\_180 | The Database shall be able to create ER Diagrams | TRUE |
| DB\_181 | The Database shall be able to use DRAG and DROP method to create visual models. | TRUE |
| DB\_182 | The Database shall synchronize schema | TRUE |
| DB\_183 | The Database shall log performance | TRUE |
| DB\_184 | The Database shall be able to connect and migrate to other tools | TRUE |
| DB\_185 | The Database shall be Relational DBMS | TRUE |
| DB\_186 | The Database shall allow one to one or one to many relationships between entities | TRUE |
| DB\_187 | The Database shall use primary key and foreign key for the logical relationship | TRUE |
| DB\_188 | The Database shall be centralized database with centralized Terminal and DBMS Server | TRUE |
| DB\_189 | The Database shall use MySQL because it allows much more Data Types compare to Oracle, Sybase, and other Commercial open source and covers the need of AutoNation Database. | TRUE |
| DB\_215 | The Database shall use MySQL because it is popular and ease to migrate and proved security and speed. | TRUE |

# Database Design Description

This Section of the Database project for the AutoNation will explain why things were done the way they were. It will justify my reasoning for picking the design used to create the Database. This will be the most useful section for a stakeholder who is looking to update and modify the database. It will also go over some of the improvement that could be implemented for future enhancement to the Database.

## Design Rationale

Managing a relational database can get a little tricky, so it is nice to have a clear diagram of your entities. Crow’s Foot Notation is useful for illustrating the relationships and cardinality of the entities, but it is also difficult to remember which symbols and notations are appropriate. This is an issue if you are using a tool that does not support the IE Notation. With MySQL Workbench this memorization of notation become very clear because of how things seem to sort and explain each symbol thoroughly. Also, though it is kind of difficult to use MySQL Workbench to clean up your diagram because it does not have any automatic organization option, it makes up for it by generating a SQL Script to create your database, which makes up for anything it lacks. This was the main reason I chose to use MySQL Workbench for my ER Diagram.

AutoNation Table is created as the Head Office, it could have multiple head office, but I wanted to start this with one area. This is also the reason why I did not give it an address and other information. It is a higher entity that is controlling all the dealership and can only be contacted through a Phone Number, which is mandatory.

Some general rules that I followed during the requirement section were that if an attribute is not stating that it will have total participation, then it will have partial participation defaulted. For all the Primary Key, I chose INT type that increment on its own. I could see this become an issue further down the road with more data, so this could be looked like enhancement idea for further development.

Address Table I wanted to create as a separate Table because multiple entity would use this and would make it more complicated to add duplicate attributes in all the other entities as well where one can handle it all. Also, I used this as a Non-Identifying relationship with any entity connecting with Address because database will be able to store and keep the address even if it is not linked to a Customer, Employee, or the Dealership. I plan to include a trigger in address table where it would mark address that are not linked to any of the relations in further improvement in the database.

Customer and Employee Interaction is center of the database. First, I was leaning toward one-to-one relationship where one employee can help one customer and a customer can seek help from only one employee, but that seemed like restriction on customer, which would not be good and would leave less incentive for employee to further try selling contracts. So, if a customer interacts with employee, then they are a customer else, they will not be considered customer. That why that many to many relations from customer side is Identifying, but from employee side an employee does not have to be Salesman and they could some of role, which would allow them to not interact with the customer ever.

Dealership should only exist if it is owned by AutoNation in DB. Vehicle and Dealership relation is Identifying because I want a vehicle in the database only if it is in one of the dealerships. For Employee, do not have to be hired by Dealership, they can be employee though another source like directly through AutoNation or the brand, so I created that relation as nonidentifying. Lease and Loan are non-Identifying because I want to keep track of things that are not offered by our payment type table as well or which are not selected. They can exist even without anyone picking them. It is a way of providing option and versatility to payment options. Payment Types are offered and can exist even if they are not part of a contract making it non identifying relationship. First, I had Employee managing other employee, but I got rid of that relation and replace it with Employee Role, where an employee can have multiple roles, but not focus on what service that employee role will provide. It could be something to be implemented for further advancements. To Create a contract an employee and Customer is needed every other relationship is replaceable, where a customer could just be buying a warranty and not a vehicle.

For Brand, I created a separate table because I wanted to ensure that Auto Nation only sell certain Brands that they are proud to keep they name associated with. The Brand Name is an ENUM type. Some Basic type of choice were based on what I thought the data would look like and where I want to limit the data and have some constraints on it. To keep it clean.

## E/R Model

An entity–relationship model (or ER model) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between entities (instances of those entity types).

### Entities

#### AutoNation

Auto Nation is a company that has several dealerships under its belt. They all operate together and can sell cars allowed by the company. There Primary Key is Business ID where it will auto increment. The Purpose of AutoNation Identity is to provide the big picture that will cover all the dealership under one company. It does not have a location because it is a conglomerate of all the dealership but could be considered as a head office and a representative of the head office is in most dealership.

#### Dealership

Dealership is like a shop that is managed by AutoNation. I have created 5 dealerships under 3 of the main branches, but they are mostly handled with the 3 AutoNation head serving different purpose for their customer. This relationship between AutoNation and Dealership can see much more details where AutoNation could have service centers and Different Brand branches or could be an online store. All of this is for further improvement into the database. Dealership is the location where the interaction between the employee and Customer happens. This is where all the Vehicles are located as well. The address is kept unique between all locations.

#### Address

Address Entity was created to get rid of a lot of NULL values from all the different tables. Also, I wanted to keep Address as a standalone entity which would live in database without any connection. AutoNation keeps track of addresses from previous and new customer to aim and expand their advertisement and be able to send personal messages. There for I decided to keep address table as a standalone. Adding the advertisement using address is also another path this project could take. Address is linked to Dealership, Customer, and Employee. They are all unique and Customer and Employee are not living together or at the Dealership. It has street address, State as an abbreviation. For county attribute, I will start filling in cities because of lack of data in that aspect. The 4-to-5-digit zip code.

#### Customer

Customer is a person coming to buy the car to one of the AutoNation dealerships. They only interact with the Employee entity. They can purchase any of the cars available to AutoNation. The database collects their FNAME, LNAME, PHONE, ADDRESS, and Phone Number. No sensitive information is collected by AutoNation. For further improvement, the database shall be able to collect customer SSN and other personal information when they have good security breach feature implemented on to the database. The database only registers a customer if they have been in contact with an employee. If they have not been contacted by an employee, they are not considered a Customer. Customer can buy cars and insurance for their previously bought cars.

#### Vehicle

Vehicle table keeps track of all the cars available for sale at several types of cars, but nothing commercial like off-roading vehicles and SEMI: Each Vehicle has an Identifying Number, which will be used by other table to reference a specific car. It has other types like type of the vehicle, which is restricted by the database, number of doors in the car, Manufacturing year, VIN, Price, and is connected to a dealership, where it is located. There is no restriction on employee to create a contract for a car that is not located at the dealership he or she is working at. There are only certain Brands that AutoNation keeps in contact with and that is restricted by another table, but it also does not mean that we must always have that brand car at the lot.

#### Employee

Employee serves the customer by helping them buy the car. They can sell any car in any of the location available. An Employee could be a Manager as well. Database collects their FNAME, LNAME, SIN, Phone number, and the location of where they work comes from the location of the dealership that they are located at. There is different type of Employee but there is restriction, and that data is not modifiable by anyone but the head of the database. An Employee whose title contains salesman can create several contracts for a customer. After creating a contract, the employee will have a job to delete the vehicle that has been added to the contract. In future update that part will be automated by the database. Employee job is to sell the most to the customer. Auto Nation will look at the performance of any employee by see how many contracts they have created not the number of sales they have made. If one employee is helping a customer, other employee will refrain from interrupting, but at the same time, if the same customer returns the same employee does not have to help him again. Its first come first serve bases, therefore many employees will be able to help many customers.

#### Brand

Brand Table keeps track of the limited brand AutoNation works with. This table is not modifiable by an outside source only the head will be able to change data in this and that must come directly from AutoNation as well. For Brand, the database will only monitor the name of the brand and in which country the brand Is located at. Brand ID is assigned as a Primary Key.

#### Employee Role

Just like Brand Employee Role is restricted as well. There are Salesman, Manager, Finance Manager, Mechanic, and Representative. Every employee has at least one role, but they could have 2 roles as well, where one employee could be a salesman and a manager. There is position that might not be filled by any of the employee. It will help AutoNation on which department of the dealership they need more workforce

#### Loan

Loan is inserted into a contract by the employee based on customer input and their interaction with the employee. A customer has two option and several different attribute that can pick and choose from. The employee takes all the into consideration for deciding if Loan is the right payment type for the Contract that the customer will select. Loan has Interest rate, Term of the loan, Down payment, which is not mandatory and could be that it is not made at all.

#### Payment Type

Payment type keeps track of all the Loan and Lease option that are available for an employee to explain to the customer and let the pick from. It has connection to all the lease and loan option. For further advance more payment types could be added as crypto, cash, and trade in of another car.

#### Lease

Lease is inserted into a contract by the employee based on customer input and their interaction with the employee. A customer has two option and several different attribute that can pick and choose from. The employee takes all the into consideration for deciding if Lease is the right payment type for the Contract that the customer will select. Lease has Lease Term, which is how long the customer wants to keep the car before returning. Lease has Miles, which is limited miles allocated per year that the car could be driven for. There is down payment, which could be made on the Lease, but it is not mandatory. There is residual value that will be used once the car is returned by the customer. Residual Is explained in percent.

#### Contract

Contract is the center of AutoNation. It is created by an employee for a customer based on the interaction they have had. This has a connection to which payment type was preferred by the customer. Contract will include a vehicle if the contract is being made for vehicle sale. It could be created just to sell insurance as well. In data it will restricted that if a contract exists and a vehicle is not listed with it, an insurance policy is being sold. I kept contract as a separate entity for the purpose of flexibility to for AutoNation to be able to sell other products and keep track of employee performance based on contract and not the price. Some employees might be specialized to sell smaller item, which could lead the performance review to be unfair to them. Contract has insurance which you can have in the contract or not add it. There is warranty that is defaulted to 12 and then be able to extend it further year wise. The number are listed as months.

### Relationships

My ERD has One to One Relationship (1:1). A single entity instance in one entity class is related to a single entity instance in another entity class. One to Many Relationship (1:M) where a single entity instance in one entity class (parent) is related to multiple entity instances in another entity class (child). Many to Many Relationship (M:M) where each entity instance in one entity class is related to multiple entity instances in another entity class; and vice versa. M:M is a special relationship where a joining entity is created and keeps track of Primary Key from the Parent and Child entity. I have two examples of this in my ERD one is Employee and their roles. The second one is the interaction between employee and the customer.

My SQL Workbench allowed writing the Relationship names on the diagram, but it made it very ugly, so I decided to highlight the relationship word in the list below. Each relationship is from the Point of view of the table. Many to Many Relationship are split and mostly presented in **(X:M)** format

|  |
| --- |
| * An AutoNation can **control** one to many dealership **(1:M)** |
| * This is an **Identifying** Relation Ship where the Dealership cannot exist if it not controlled by AutoNation. * Each Dealership is **controlled** by one and only one AutoNation **(1:1)** * A Dealership can locate zero to many Vehicle **(0:M)** * The Relationship between the Dealership and the Vehicle is **Identifying** relationship where if the vehicle is not located in one of the Dealership, then it should not be part of DB. * A Dealership can **Hire** one to many Vehicle **(1:M)** * The Relationship between the Dealership and the Employee is **Identifying** relationship where Employee cannot exist if not hired by the Dealership. * A Dealership is **located** at one and only one address **(1:1)** * The Relationship between Dealership and Address is **Non-identifying** where Address can still exist if it is not the address of the Dealership. * All the relationship with Address will be **Non-Identifying**. * An Address can **locate** one and only one Dealership **(1:1)** * An Address can **locate** one and only one Employee **(1:1)** * An Address can **locate** one and only one Customer **(1:1)** * A Customer can be **located** at one and only one Address **(1:1)** * Many Customer can be **Interact** with many Employee **(1:M)** * The Relationship between Customer and Employee is **Identifying** where a Customer will not be considered a customer till, they are helped by at least one Employee and added to the database. * A Customer can **Selects** zero to many contracts. **(0:M)** * A Vehicle is **located** at one and only one Dealership. **(1:1)** * A Vehicle is **manufactured** by one and only one Brand. **(1:1)** * The Relationship between Vehicle and the Brand is **Identifying** relationship, where a vehicle does not exist if one of the given Brand have not manufactured it. * A Vehicle is **assigned** to 1 and only 1 contract. **(1:1)** * The Relationship between Vehicle and Contract is **non-Identifying**, where a vehicle can be in the dealership without getting sold through a contract. * An Employee can be **employed** at one and only one Dealership **(1:1)** * An Employee can be **Located** at one and only one Address **(1:1)** * An Employee can **Interact** with zero to many Customers **(0:M)** * The Relationship between Employee and Customer **is Non-Identifying** where an Employee can still be working without assisting any customer or have other roles. * An Employee is **assigned** one to many Employee Role **(1:M)** * Employee can **create** zero to many contracts **(0:M)** * This is an **identifying** relationship where the Contract will not exist if the Employee does not create it. * A Brand can **Manufacture** zero to Many Vehicles **(0:M)** * An Employee Role can be **assigned** to zero to many Employee, where a role might not be assigned to any of the Employee. **(0:M)** * A Contract can be **assigned** to 1 to many vehicles, where one contract could have multiple cars being sold in it. **(1:M)** * A Contract is **Created** by one and only one Employee **(1:1)** * A Contract can only be **selected** by one and only one Customer. **(1:1)** * The Relationship between Customer and Contract is **Identifying** where a Contract is created only for the Customer. * A Contract can be **paid** by one and only one payment Type **(1:1)** * The Relationship between Contract and Payment is **Non-Identifying** * The Payment Type can be used to **pay** for one and only one Contract **(1:1)** * The Payment Type **offers** one to many Loan (**1:M)** * The Payment Type **offers** one to many Lease **(1:M)** * A Lease can be **offered** as one and only one Payment Type **(1:1)** * **Non-Identifying** relationship between Lease and Payment Type. * A Loan can be **offered** as one and only one Payment Type **(1:1)** * **Non-Identifying** relationship between Loan and Payment Type. |

### E/R Diagram

Timeline

Description automatically generated

## Relational Model

### Data Dictionary

#### AutoNation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Business Identification Number | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Phone Number | This is the Business Phone Number | VARCHAR | 12 | Unique | Y | 12 Numeric Digit including US Country Code of 1 |

#### Dealership

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Dealership Identification Number | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Phone Number | This is the Dealership Phone Number | VARCHAR | 12 | Unique | Y | 12 Numeric Digit including US Country Code of 1 |
| Name | This is Dealership Name | VARCHAR | 45 | N/A | Y | Name Character in Alphabet |

#### Customer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Customer Identification Number | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| FNAME | This is Customer First Name | VARCHAR | 45 | N/A | Y | Name Character in Alphabet |
| LNAME | This is Customer Last Name | VARCHAR | 45 | N/A | Y | Name Character in Alphabet |
| Phone Number | This is the Customer Phone Number | VARCHAR | 12 | Unique | Y | 12 Numeric Digit including US Country Code of 1 |

#### Contract

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Contract Identification Number | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Warranty | This is a Warranty of the Contract between Customer and Employee | INT | N/A | Unsigned | N | Warranty is listed in Months, so the valid value is between 1 to 12 |
| Insurance | Insurance included or not with purchase | TINYINT | N/A | N/A | N | 1 or 0 For True and False in that order. |

#### Vehicle

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Vehicle Identification Number Auto increment | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Type | Type of Vehicle | ENUM | N | N/A | N | 'Sedan', 'Coupe', 'Sports', 'Station Wagon', 'Hatchback', 'Luxury' |
| Door | Number of Doors in the Car | ENUM | N/A | N/A | Y | 2 or 4 Doors |
| Year | Year which the car was manufactured | YEAR (4) | 4 | N/A | N | 1980 to 2021 cars are available |
| VIN | Vehicle Identification Number | VARCHAR | 17 | UNIQUE | Y | 17 Numeric and Alphabetic characters. |
| Price | Total cost of the Vehicle | Decimal | 6,2 | N/A | Y | Range 0.0 to 999999.99 |

#### Payment Type

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Payment Identification Number | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Amount | Total cost of the Vehicle with insurance and Warranty | Decimal | 6,2 | N/A | Y | Range 0.0 to 999999.99 |

#### Lease

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Lease Identification Number Auto increment | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Term | How long the car will be leased for. It is in Months | ENUM | N/A | N/A | Y | '36', '48', '60' |
| Miles | Lease Miles allocated during each year of lease | ENUM | N/A | N/A | Y | '10000', '12000', '15000'. Default is 10000 |
| Down Payment | Down Payment that will be made on Contract | DECIMAL | 4, 2 | Unsigned | N | Limit the down payment below 10000 |
| Residual | Lease Residual is the percent the car value will drop | Decimal | 2,2 | Unsigned | Y | 0 to under 10. The value is in percent. |

#### Loan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Loan Identification Number Auto increment | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Interest | The percent amount you pay for lending the money | Decimal | 2,1 | N/A | Y | 0.0 to 9.99 Interest Rate. |
| Term | Loan Term is in Months to show the time it will take to pay off the Contract | ENUM | N/A | N/A | Y | '48', '60', '72'. The Default is 60 |
| Down Payment | Down Payment that will be made on Contract | DECIMAL | 4, 2 | Unsigned | N | Limit the down payment below 10000 |

#### Brand

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Brand Identification Number Auto increment | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Name | Name of the Brand | ENUM | N/A | UNIQUE | Y | ‘Volkswagen’, ‘Toyota’, ‘Daimler’, ‘Ford’, ‘Honda’, ‘General Motors’, ‘SAIC’, ‘BMW’, ‘Volvo’ |
| Country | Name of the country where the Brand Headquarters are located. | VARCHAR | N/A | N/A | Y | Name of the country is within 45 characters |

#### Address

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Address Identification Number Auto increment | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Street Name | This is the name of the street and will include the building number. | VARCHAR | 45 | N/A | Y | This can include a combination of Digit and alphabet |
| State | State Name is 2 Alphabet | VARCHAR | 2 | N/A | Y | Can only take 2 alphabets |
| County | County at which the address is located at | VARCHAR | 15 | N/A | N | County in the states |
| Zip code | Zip code at which the address is located at | VARCHAR | 5 | N/A | Y | Digits with valid Zip code. No checks and limits |

#### Employee Role

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Employee Identification Number Auto increment | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| Name | Name of the Employee Role | ENUM | N/A | UNIQUE | Y | 'Salesman', 'Manager', 'Finance Manager', 'Mechanic', 'Representative' |

#### Employee

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Description** | **Data Type** | **Size** | **Constraint Type** | **Not Null?** | **Valid Values** |
| ID | Employee Identification Number | INT | N/A | Primary Key  Unique | Y | 0 to Number of Data set |
| FNAME | This is Employee First Name | VARCHAR | 45 | N/A | Y | Name Character in Alphabet |
| LNAME | This is Employee Last Name | VARCHAR | 45 | N/A | Y | Name Character in Alphabet |
| Phone Number | This is the Employee Phone Number | VARCHAR | 12 | Unique | Y | 12 Numeric Digit including US Country Code of 1 |
| SSN | Social Security Number | VARCHAR | 9 | Unique | Y | 9 Numeric Digit |

### Integrity Rules

Mandatory fields like Primary key and attribute that were mandatory for the table have Not Null value as a restriction where a data set cannot be entered into the table if that attribute is not in the insert statement for the table.

Data Formatting was also kept in mind for attribute where the attributes like Money, Interest Rate, and Percent were in decimal and only allowed a reasonable range of value. For example, Interest rate above 8% in this time of frame did not makes sense so it is limited to under 7 and above 1 in data creation and attribute restricts data size to 9.99%. Phone number is allocated only space for its number and the dashes in the middle to keep the phone number format.

Foreign key is used to keep tables across database in check. Here is a list of all the Foreign Key, which table is referenced by which table.

|  |  |  |
| --- | --- | --- |
| Foreign Key | References | References |
| `fk\_DealerShip\_Address1` | `Address` | `Dealership` |
| `fk\_DealerShip\_AutoNation1` | `AutoNation` | `Dealership` |
| `fk\_Customer\_Address1` | `Address` | `Customer` |
| `fk\_Employee\_DealerShip1` | `Dealership` | `Employee` |
| `fk\_Employee\_Address1` | `Address` | `Employee` |
| `fk\_Vehicle\_DealerShip1` | `Dealership` | `Vehicle` |
| `fk\_Vehicle\_Brand1` | `Brand` | `Vehicle` |
| `fk\_Contract\_Payment\_Type1` | `Payment\_Type` | `Contract` |
| `fk\_Contract\_Employee1` | `Employee` | `Contract` |
| `fk\_Contract\_Customer1` | `Customer` | `Contract` |
| `fk\_Contract\_Vehicle1` | `Vehicle` | `Contract` |
| `fk\_Loan\_Payment\_Type1` | `Payment\_Type` | `Loan` |
| `fk\_Lease\_Payment\_Type1` | `Payment\_Type` | `Lease` |
| `fk\_Customer\_has\_Employee\_Customer1` | `Customer` | `Customer\_Employee\_Interaction` |
| `fk\_Customer\_has\_Employee\_Employee1` | `Employee` | `Customer\_Employee\_Interaction` |
| `fk\_Employee\_has\_Employee\_Role\_Employee1` | `Employee` | `Employee\_has\_Employee\_Role` |
| `fk\_Employee\_has\_Employee\_Role\_Employee\_Role1` | `Employee\_Role` | `Employee\_has\_Employee\_Role` |

### Operational Rules

There are some operational rules like for example vehicle is limited to have a car types, so if anything is added to vehicle with a type that is either not recognized or set to NULL the trigger will set the value to Sedan. Same with Vehicle year is set to default to 0000, so if a user wants to find all the vehicles that have no year associated with it, then the user will search for 0000. Also, for vehicle price it is limited to 1000 to 800000. The data type can take values up to 999999.99, but the trigger limits the value.

For Loan if the down payment is not made, the loan term is restricted to 72 months. Same applies if the down payment is less than 100 dollars. The term is split to 72 months to make the monthly payment lower for the customer and more attractive for the customer. Loan Interest rate is limited to 1.0% and 6.0%.

For Lease if the down payment is not made, the Lease term is restricted to 60 months. Same applies if the down payment is less than 100 dollars. The term is split to 60 months to make the monthly payment lower for the customer and more attractive for the customer. Lease Residual is limited to 40.0% to 72.0%. The reason I selected these values was because I have not seen a residual outside that range.

There are several other restrictions that I have added, which are in the SQL statement, which include things like Not Null, Unique, Auto Increment, Unsigned value for any price or a number that cant be negative. Set Default value for attributes that are allowed Null Value. There are ENUM Types to restrict what type of input could be inserted into an attribute.

There are some tables that are restricted if they could be updated any user. Like Employee Role Table has the roles that are not modifiable. It is what is available and cannot be updated, Same applied to the Brand table, where AutoNation is only in contact with the select brand and will not do business with all the brands available. An Address cannot be repeated by any other table. So, for example if an address is being used by an employee, then a customer cannot have it. Also, there is no overlap between employee and customer. I have takes this into consideration while generating data. People can have same first and last name, but there are PK assigned to each row, which would make it unique and be referenced through that.

### Operations

There are some operations that leads to other function to be executed. Like for example when you add a vehicle into a contract, then the vehicle with that ID must be deleted from the vehicle data. Another one is when there is a customer who loses their interaction with an employee then they should be remove from the database. There is also operation to limit the value of car. If a car is above a certain price, then, it will be capped at 800000. The brand name added to database can not be removed.

## Security

There is very basic security data check you could say that my project has where some of the values are limited and verified. There are so many further steps to implement greater detail of security. Database security encompasses a range of security controls designed to protect the Database Management System (DBMS). Some of the ways you can implement security is by starting with configuring your DBMS properly. Authentication of who is accessing the database and what is being put into or extracted from the database is another way. Give access to limit user and keep track of who has access to the database. Create Encryption to keep it locked and safe.

## Database Backup and Recovery

A backup is a copy of data from your database that can be used to reconstruct that data. Backups can be divided into physical backups and logical backups. Physical backups are backups of the physical files used in storing and recovering your database, such as datafiles, control files, and archived redo logs. Logical backups contain logical data (for example, tables or stored procedures) exported from a database. There are several reasons to create back and recovery understand when an action like this is required. Which error could lead you down to this path? Also, keeping your backup extra secure and keep in check that it is in working state.

For this project, the database back is stored in several of the Excel sheets. I have kept all the SQL Queries in one file. The data inserted was through an excel sheet, so all the excel sheet are kept separate as well. The query result and insert statement as well. So, if I were to lose the design tomorrow, I should be able to recreate the same database without any issue.

## Using Database Design or CASE Tool

CASE tools can serve many functions in database design, including:

* Collecting and analyzing data
* Designing a data model
* Feasibility analysis
* Requirement’s definition
* Implementing the database
* Prototyping
* Data conversion
* Generating application code
* Generating reports
* Programming and testing
* Maintenance

I did not use a CASE tool for all the possible steps I could, but I did use tools to collect and analyze the data. I also used design tools to help me make my EERD functional and flow properly. MySQL Workbench forward engineering option helped me generate most of the schema code that I have used. I used Excel mostly for a lot of Data Generation. Once I had all the data, I inserted it all into Mackaroo to verify that the table and data inside it was per my need. It also helped insert and create more data .The Excel helped make sure that Primary Keys are unique and not being repeated around data without any reason. I created EERD which is not included in the project on draw.io, which helped me understand some of the total and partial participation of some of the attributes in the table.

## Other Possible E/R Relationships

There could be some of other connection and relation I could have added to this database where the most important one I think was to have a connection between customer and Payment Type. Right now, instead of customer directly selecting the payment type, the employee does this for the customer. The assumption is that this is discussed during their interaction and based on that employee is selecting the payment type. Other Relation that could be added are to AutoNation talking to brand and payment type where only AutoNation is able to control these two tables.

It just not the relationship it could have, this database could expand to include much more that I see as future implementation. Auto nation can trade in , Provide Mechanical services. They can buy cars . They can change the location of their car. Also, all the benefits provided to employees and their role with their description. So, yes, I feel like there is a lot more enhancement that could be made to this project, but it would make it much larger.

# Implementation Description

This section steps take to implement the database. First, I start with all the attributes the database will store and their types. It will decide what are some of the constraints I put in each of the attribute. Then we will add some of the advance feature and triggers to verify and make data verification as it is inserted into the database or function to retrieve data that is readable and understandable to the user. To end this section, there are some examples of some of the queries you could make on this database.

## Data Dictionary

* Vehicle

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Vehicle\_ID | int | NO | PRI | NULL | auto\_increment |
| Vehicle\_Type | enum ('Sedan','Coupe','Sports',  'StationWagon','Hatchback','Luxury') | YES |  | Sedan |  |
| Vehicle\_Door | enum ('2','4') | NO |  | NULL |  |
| Vehicle\_Year | year | YES |  | 0 |  |
| Vehicle\_VIN | varchar (17) | NO | UNI | NULL |  |
| Vehicle\_Price | decimal (8,2) unsigned | NO |  | NULL |  |
| DealerShip\_DealerShip\_ID | int | NO | PRI | NULL |  |
| Brand\_Brand\_ID | int | NO | PRI | NULL |  |

* Payment Type

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Payment\_Type\_ID | int | NO | PRI | NULL | auto\_increment |

* Loan

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Loan\_ID | int | NO | PRI | NULL | auto\_increment |
| Loan\_Interest | decimal (3,2) unsigned | NO |  | NULL |  |
| Loan\_Term | enum ('48','60','72') | NO |  | 60 |  |
| Loan\_Downpayment | decimal (6,2) unsigned | YES |  | NULL |  |
| Payment\_Type\_Payment\_Type\_ID | int | NO | MUL | NULL |  |

* Employee Has a Role

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Employee\_has\_Employee\_Role\_ID | int | NO | PRI | NULL |  |
| Employee\_Employee\_ID | int | NO | MUL | NULL |  |
| Employee\_Role\_Employee\_Role\_ID | int | NO | MUL | NULL |  |

* Employee Role

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Employee\_Role\_ID | int | NO | PRI | NULL | auto\_increment |
| Employee\_Role\_Name | enum('Salesman','Manager',  'Finance Manager' ,'Mechanic','Representative') | NO | UNI | NULL |  |

* Brand

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Brand\_ID | int | NO | PRI | NULL | auto\_increment |
| Brand\_Name | enum('Volkswagen','Toyota','Daimler',  'Ford','Honda','General Motors' ,'SAIC','BMW','Volvo') | NO | UNI | NULL |  |
| Brand\_Country | varchar(45) | NO |  | NULL |  |

* AutoNation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Buisness\_ID | int | NO | PRI | NULL |  |
| AutoNation\_PhoneNumber | varchar(13) | NO | UNI | NULL |  |

* Customer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Customer\_ID | int | NO | PRI | NULL | auto\_increment |
| Customer\_FNAME | varchar(45) | NO |  | NULL |  |
| Customer\_LNAME | varchar(45) | NO |  | NULL |  |
| Customer\_PH | varchar(13) | NO | UNI | NULL |  |
| Address\_Address\_ID | int | NO | MUL | NULL |  |

* Dealership

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| DealerShip\_ID | int | NO | PRI | NULL | auto\_increment |
| DealerShip\_Ph | varchar(13) | NO | UNI | NULL |  |
| DealerShip\_Name | varchar(45) | NO |  | NULL |  |
| Address\_Address\_ID | int | NO | MUL | NULL |  |
| AutoNation\_Buisness\_ID | int | NO | PRI | NULL |  |

* Employee

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Employee\_ID | int | NO | PRI | NULL | auto\_increment |
| Employee\_FNAME | varchar(45) | NO |  | NULL |  |
| Employee\_LNAME | varchar(45) | NO |  | NULL |  |
| Employee\_PH | varchar(12) | NO | UNI | NULL |  |
| Employee\_SSN | varchar(11) | NO | UNI | NULL |  |
| DealerShip\_DealerShip\_ID | int | NO | MUL | NULL |  |
| Address\_Address\_ID | int | NO | UNI | NULL |  |

* Lease

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Lease\_ID | int | NO | PRI | NULL | auto\_increment |
| Lease\_Term | enum('36','48','60') | NO |  | NULL |  |
| Lease\_Miles | enum('10000','12000',  '15000') | NO |  | 10000 |  |
| Lease\_Downpayment | decimal(6,2) unsigned | YES |  | NULL |  |
| Lease\_Residual | decimal(4,2) unsigned | NO |  | 62 |  |
| Payment\_Type\_Payment\_Type\_ID | int | NO | MUL | NULL |  |

* Contract

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Contract\_ID | int | NO | PRI | NULL | auto\_increment |
| Contract\_Warranty | int unsigned | YES |  | NULL |  |
| Contract\_Insurance | tinyint | YES |  | 0 |  |
| Payment\_Type\_Payment\_Type\_ID | int | NO | MUL | NULL |  |
| Employee\_Employee\_ID | int | NO | MUL | NULL |  |
| Customer\_Customer\_ID | int | NO | MUL | NULL |  |
| Vehicle\_Vehicle\_ID | int | YES | MUL | NULL |  |
| Contract\_Cost | decimal(8,2) | YES |  | NULL |  |

* Customer Employee Interaction

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Customer\_Employee\_Interaction\_ID | int | NO | PRI | NULL | auto\_increment |
| Customer\_Customer\_ID | int | NO | MUL | NULL |  |
| Employee\_Employee\_ID | int | NO | MUL | NULL |  |

* Address

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field | Type | Null | Key | Default | Extra |
| Address\_ID | int | NO | PRI | NULL | auto\_increment |
| Address\_Street | varchar(45) | NO |  | NULL |  |
| Address\_State | varchar(2) | NO |  | NULL |  |
| Address\_County | varchar(15) | YES |  | NULL |  |
| Address\_Zipcode | varchar(5) | NO |  | NULL |  |

## Advanced Features

There are some triggers implemented into the Database. There could be so many more that could be implemented to have more control on your database. More triggers mean more database control.

* Vehicle Type Trigger to set to Sedan if not set or NULL
* Vehicle Year Trigger set the year to 0000 if not set or NULL
* Vehicle Price Trigger if price above 800000 then it will display Price above the range
* Vehicle Price Trigger if the price is below 1000 then it will display price to low.
* Loan down payment will be decide based on term . If less than 100 or NULL will set to 72.
* Lease down payment will be decide based on term . If less than 100 or NULL will set to 60.
* Loan Interest is limited to between 1.0% to 6.0%
* Lease Residual is limited to 60.0% and 72.0%

There is one function that concatenated first and last name.

* full\_name()

## Queries

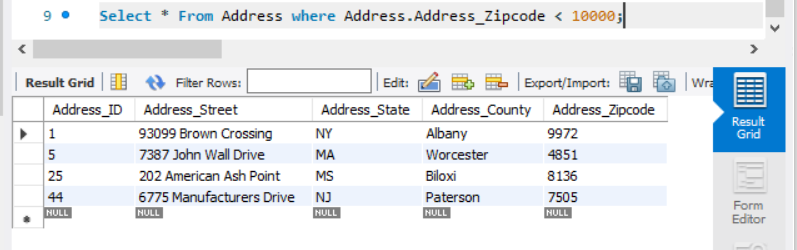
The Select Statement for all the tables will be provided below in Appendix A. I will present a unique query for each table that is useful in real world scenario.

### Address Zip code with 4 digits

The Following Address are assumed to either have 1 or 0 in front of them based on State Law.

Query:

Select \* From Address where Address.Address\_Zipcode < 10000;



### Brand Country

Show which country makes the most brands, we see that AutoNation sells mostly cars from Germany or japan.

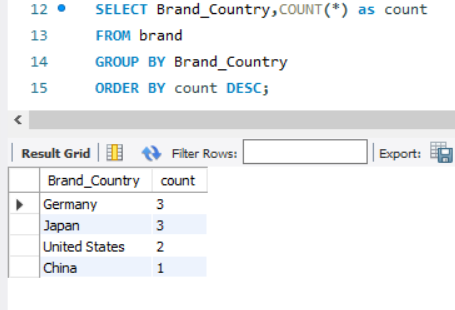
Query:

SELECT Brand\_Country,COUNT(\*) as count

FROM brand

GROUP BY Brand\_Country

ORDER BY count DESC;



### Cars Sold With Insurance

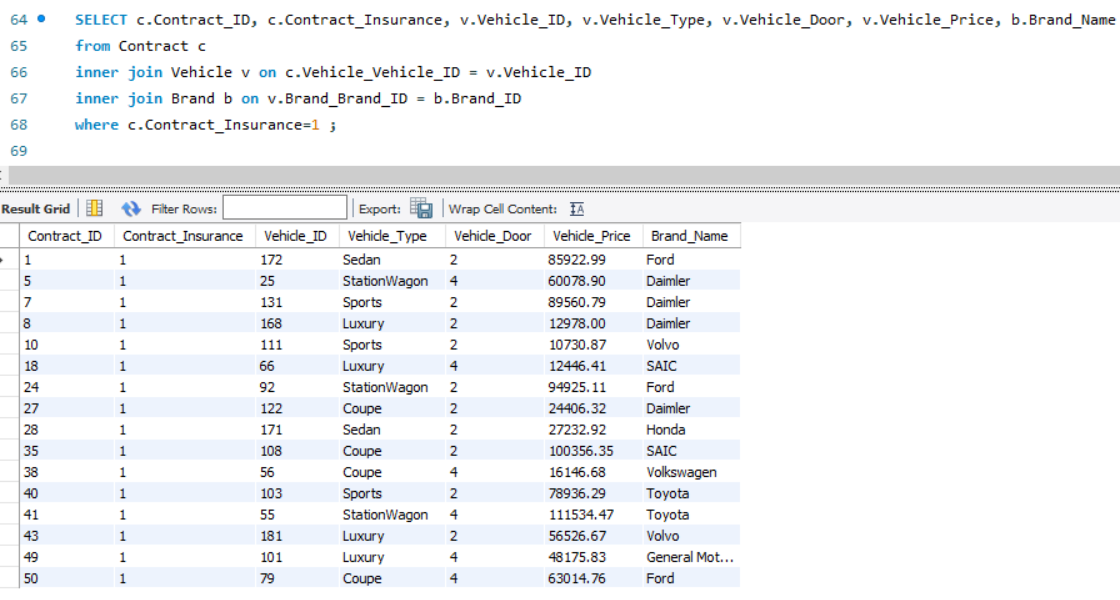
SELECT c.Contract\_ID, c.Contract\_Insurance, v.Vehicle\_ID, v.Vehicle\_Type, v.Vehicle\_Door, v.Vehicle\_Price, b.Brand\_Name

from Contract c

inner join Vehicle v on c.Vehicle\_Vehicle\_ID = v.Vehicle\_ID

inner join Brand b on v.Brand\_Brand\_ID = b.Brand\_ID

where c.Contract\_Insurance=1 ;



### Customer Helped By

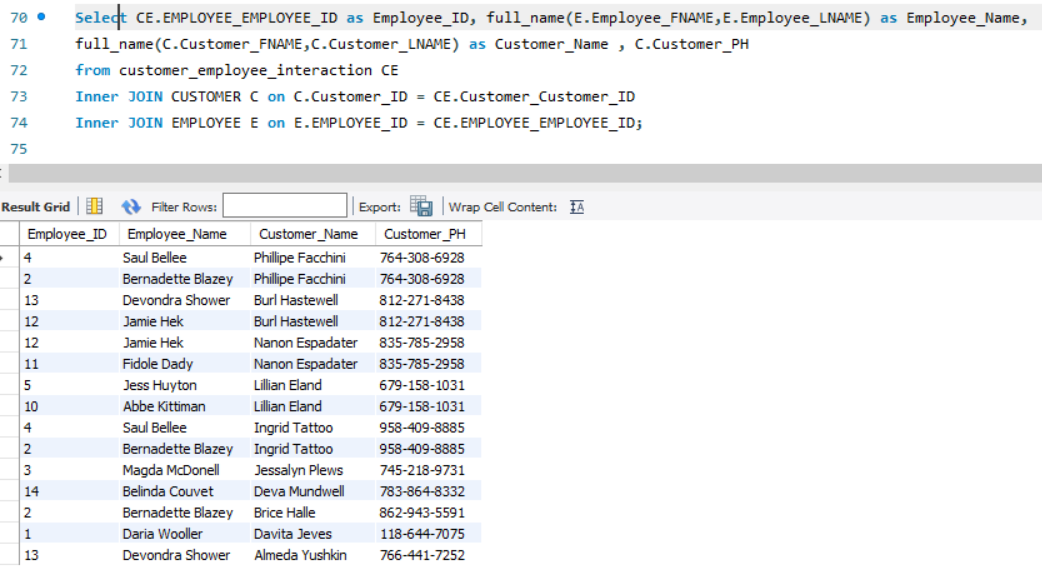
Select CE.EMPLOYEE\_EMPLOYEE\_ID as Employee\_ID, full\_name(E.Employee\_FNAME,E.Employee\_LNAME) as Employee\_Name,

full\_name(C.Customer\_FNAME,C.Customer\_LNAME) as Customer\_Name , C.Customer\_PH

from customer\_employee\_interaction CE

Inner JOIN CUSTOMER C on C.Customer\_ID = CE.Customer\_Customer\_ID

Inner JOIN EMPLOYEE E on E.EMPLOYEE\_ID = CE.EMPLOYEE\_EMPLOYEE\_ID;



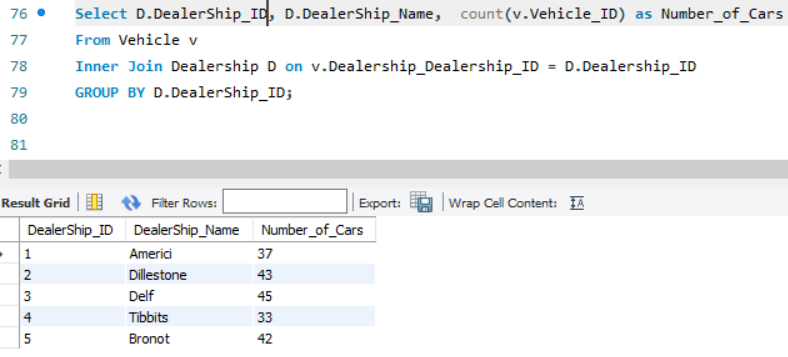
### Number of Cars at each dealership

Select D.DealerShip\_ID, D.DealerShip\_Name, count(v.Vehicle\_ID) as Number\_of\_Cars

From Vehicle v

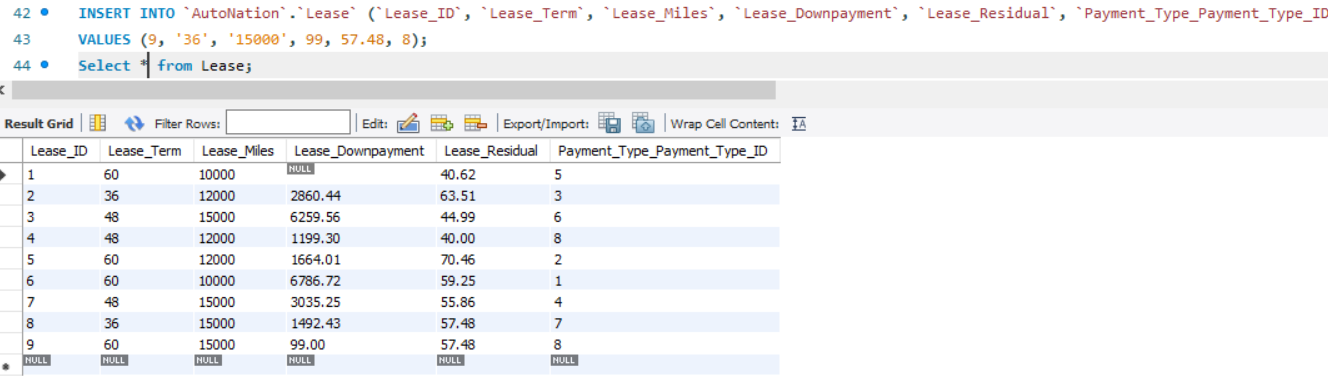
Inner Join Dealership D on v.Dealership\_Dealership\_ID = D.Dealership\_ID

GROUP BY D.DealerShip\_ID;

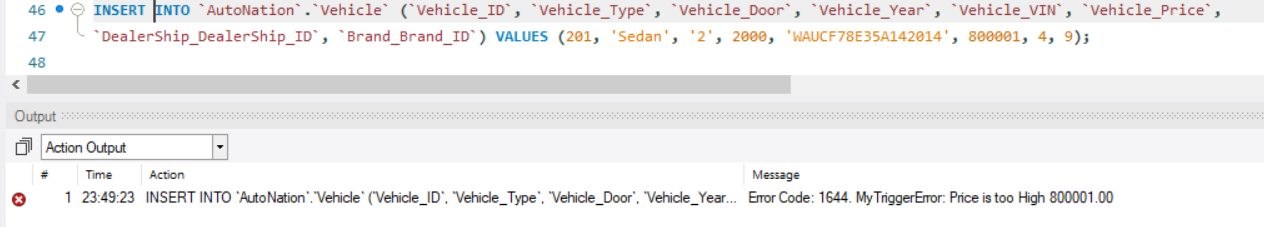


### Lease DownPayment Below 100 Trigger

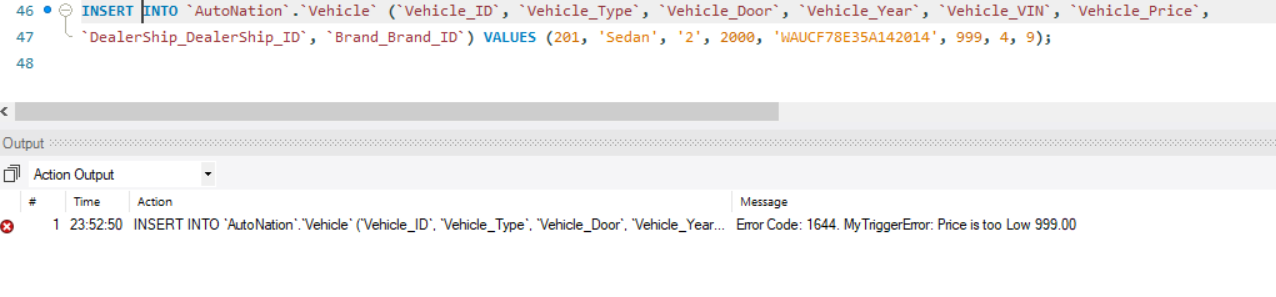
Even though I set the term to be 36, if the Downpayment is less than 100, the term is set to 60 Months.



### Vehicle Price Trigger for Max and Min



Price Below the Range



### List of Most to least Favorite Payment Type

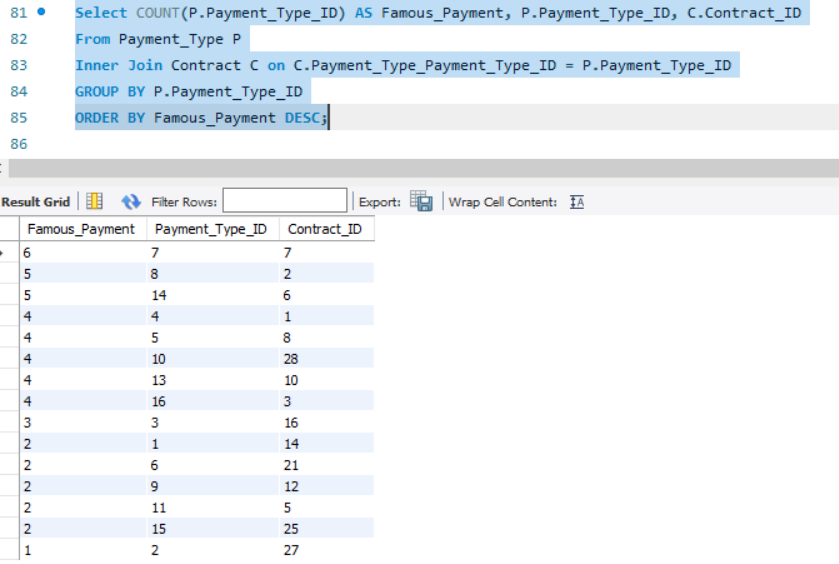
Select COUNT(P.Payment\_Type\_ID) AS Famous\_Payment, P.Payment\_Type\_ID, C.Contract\_ID

From Payment\_Type P

Inner Join Contract C on C.Payment\_Type\_Payment\_Type\_ID = P.Payment\_Type\_ID

GROUP BY P.Payment\_Type\_ID

ORDER BY Famous\_Payment DESC;



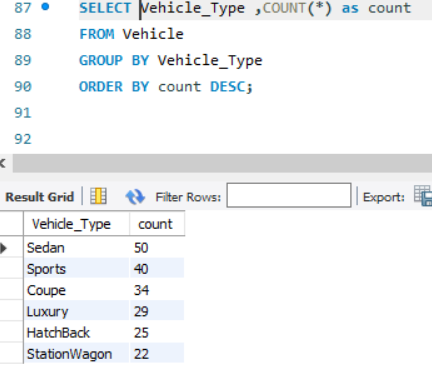
### Most Located Car Type

SELECT Vehicle\_Type ,COUNT(\*) as count

FROM Vehicle

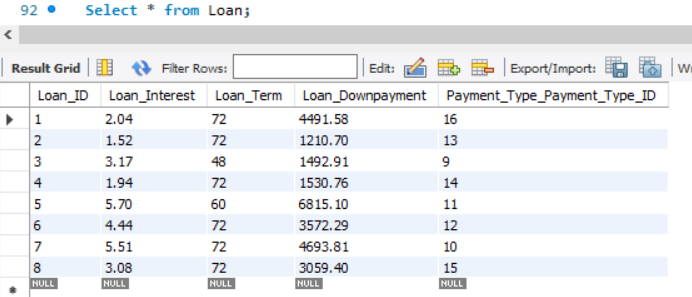
GROUP BY Vehicle\_Type

ORDER BY count DESC;

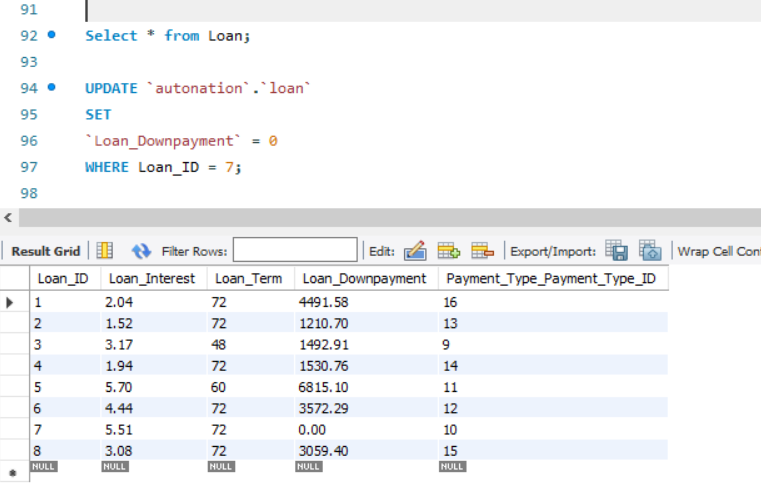


### Loan Update

Original Loan Data

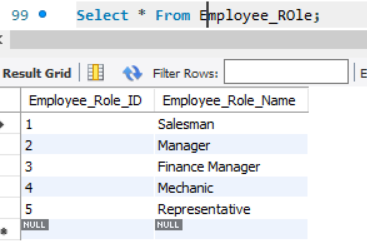


After updating down payment.

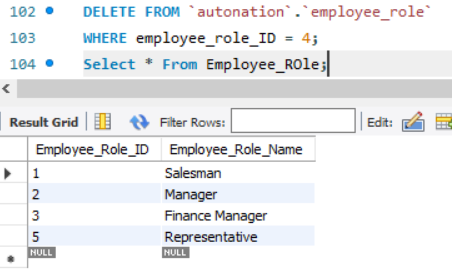


### Employee Role Delete

Original Employee Role Data



Employee Role Data after Deletion



# CRUD Matrix

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Tables Called** | | | | | | | | | | | |
| **Function** | Brand | Address | Contract | Vehicle | Employee | Customer | Dealership | Lease | Pay Type | AutoNation | EMP Role | Loan |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **4 Digit Zip Code** |  | R |  |  |  |  |  |  |  |  |  |  |
| **Brand Country** | R |  |  |  |  |  |  |  |  |  |  |  |
| **Car Sold with Insurance** | R |  | R | R |  |  |  |  |  |  |  |  |
| **Cars at Each Dealership** |  |  |  | R |  |  | R |  |  |  |  |  |
| **Create Address** |  | C |  |  |  |  |  |  |  |  |  |  |
| **Create AutoNation** |  |  |  |  |  |  |  |  |  | C |  |  |
| **Create Brand** | C |  |  |  |  |  |  |  |  |  |  |  |
| **Create Contract** |  |  | C |  |  |  |  |  |  |  |  |  |
| **Create Customer** |  |  |  |  |  | C |  |  |  |  |  |  |
| **Create Dealership** |  |  |  |  |  |  | C |  |  |  |  |  |
| **Create Employee** |  |  |  |  | C |  |  |  |  |  |  |  |
| **Create Employee Role** |  |  |  |  |  |  |  |  |  |  | C |  |
| **Create Lease** |  |  |  |  |  |  |  | C |  |  |  |  |
| **Create Loan** |  |  |  |  |  |  |  |  |  |  |  | C |
| **Create Payment Type** |  |  |  |  |  |  |  |  | C |  |  |  |
| **Create Vehicle** |  |  |  | C |  |  |  |  |  |  |  |  |
| **Customer Interaction** |  |  |  |  | R | R |  |  |  |  |  |  |
| **Employee Role Delete** |  |  |  |  |  |  |  |  |  |  | RD |  |
| **Favorite Payment Type** |  |  | R |  |  |  |  |  | R |  |  |  |
| **Lease Constraints** |  |  |  |  |  |  |  | RU |  |  |  |  |
| **Loan Update** |  |  |  |  |  |  |  |  |  |  |  | RU |
| **Most Cars Type** |  |  |  | R |  |  |  |  |  |  |  |  |
| **Vehicle Price** |  |  |  | RU |  |  |  |  |  |  |  |  |

## List of Entity Types

* Brand Address
* Contract
* Vehicle
* Employee
* Customer
* Dealership
* Lease Pay Type
* AutoNation
* EMP Role
* Loan

## List of Functions

|  |
| --- |
| * 4 Digit Zip Code |
| * Brand Country |
| * Car Sold with Insurance |
| * Customer Interaction |
| * Cars at Each Dealership |
| * Lease Constraints |
| * Vehicle Price |
| * Favorite Payment Type |
| * Create Brand |
| * Create Address |
| * Create Contract |
| * Create Vehicle |
| * Create Employee |
| * Create Customer |
| * Create Dealership |
| * Create Lease |
| * Create Payment Type |
| * Create AutoNation |
| * Create Loan |
| * Create Employee Role * Loan Update * Delete Employee Role |

# Concluding Remarks

* Start the Project Early in the STAGE
* Using My SQL WorkBench has a lot of perks, but there are some downfalls as well, which could lead me to look or may be try another tool
* Naming of Attribute must be as concise as possible. Writing queries with large names is very complicated and time consuming.
* There are so many triggers that could be added to make your database more controlled.
* Naming convention for the Foreign Key must be consistent across the design.
* Writing requirements before the Design should not be a must. I feel like I went back to my requirements way more than I would have liked too. There was so much rework each time I decided something new on the design that had to be updated.
* During design you should have what kind of data you will be inputting.
* Testing data should be restricted to a limited size.
* USE Excel for data generation. Otherwise, this is the longest task, which takes a week or so. Also, it is all grunt work. After spending may be like 2 weeks, I was told that there is a website called Mackaroo that create generated data for you.

Appendices

There is one known defect that I have in the design which is related to the price of the Contract. I created the attribute for it, but for right now all of it is set to NULL. I did not think about Contract Price, where if a contract is being made for just the warranty there is still a price that it would have, which then would be paid by one of the payment types. Therefore, I think there should amount attribute and that should have a limit on where the price should be greater or equal to the price of the Car or I could remove vehicle price attribute and move it to contract. This should also solve the problem.

Appendix A - DDL, INSERT, SELECT Statements

* **Function**

DELIMITER $$

CREATE DEFINER=`root`@`localhost` FUNCTION `full\_name`(first\_nm CHAR(20), last\_nm CHAR(30) ) RETURNS char(60) CHARSET utf8

DETERMINISTIC

RETURN CONCAT(first\_nm, ' ', last\_nm)$$

DELIMITER ;

* **Create Statement**

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

-- -----------------------------------------------------

-- Schema AutoNation

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema AutoNation

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `AutoNation` DEFAULT CHARACTER SET utf8 ;

USE `AutoNation` ;

-- -----------------------------------------------------

-- Table `AutoNation`.`AutoNation`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`AutoNation` (

`Buisness\_ID` INT NOT NULL,

`AutoNation\_PhoneNumber` VARCHAR(13) NOT NULL,

PRIMARY KEY (`Buisness\_ID`),

UNIQUE INDEX `AutoNation\_PhoneNumber\_UNIQUE` (`AutoNation\_PhoneNumber` ASC) VISIBLE,

UNIQUE INDEX `AutoNation\_Office\_ID\_UNIQUE` (`Buisness\_ID` ASC) VISIBLE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Address`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Address` (

`Address\_ID` INT NOT NULL AUTO\_INCREMENT,

`Address\_Street` VARCHAR(45) NOT NULL,

`Address\_State` VARCHAR(2) NOT NULL,

`Address\_County` VARCHAR(15) NULL DEFAULT NULL,

`Address\_Zipcode` VARCHAR(5) NOT NULL,

PRIMARY KEY (`Address\_ID`),

UNIQUE INDEX `Address\_ID\_UNIQUE` (`Address\_ID` ASC) VISIBLE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`DealerShip`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`DealerShip` (

`DealerShip\_ID` INT NOT NULL AUTO\_INCREMENT,

`DealerShip\_Ph` VARCHAR(13) NOT NULL,

`DealerShip\_Name` VARCHAR(45) NOT NULL,

`Address\_Address\_ID` INT NOT NULL,

`AutoNation\_Buisness\_ID` INT NOT NULL,

PRIMARY KEY (`DealerShip\_ID`, `AutoNation\_Buisness\_ID`),

INDEX `fk\_DealerShip\_Address1\_idx` (`Address\_Address\_ID` ASC) VISIBLE,

UNIQUE INDEX `DealerShip\_Ph\_UNIQUE` (`DealerShip\_Ph` ASC) VISIBLE,

UNIQUE INDEX `DealerShip\_ID\_UNIQUE` (`DealerShip\_ID` ASC) VISIBLE,

INDEX `fk\_DealerShip\_AutoNation1\_idx` (`AutoNation\_Buisness\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_DealerShip\_Address1`

FOREIGN KEY (`Address\_Address\_ID`)

REFERENCES `AutoNation`.`Address` (`Address\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_DealerShip\_AutoNation1`

FOREIGN KEY (`AutoNation\_Buisness\_ID`)

REFERENCES `AutoNation`.`AutoNation` (`Buisness\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Customer`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Customer` (

`Customer\_ID` INT NOT NULL AUTO\_INCREMENT,

`Customer\_FNAME` VARCHAR(45) NOT NULL,

`Customer\_LNAME` VARCHAR(45) NOT NULL,

`Customer\_PH` VARCHAR(13) NOT NULL,

`Address\_Address\_ID` INT NOT NULL,

PRIMARY KEY (`Customer\_ID`),

INDEX `fk\_Customer\_Address1\_idx` (`Address\_Address\_ID` ASC) VISIBLE,

UNIQUE INDEX `Customer\_PH\_UNIQUE` (`Customer\_PH` ASC) VISIBLE,

UNIQUE INDEX `Customer\_ID\_UNIQUE` (`Customer\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Customer\_Address1`

FOREIGN KEY (`Address\_Address\_ID`)

REFERENCES `AutoNation`.`Address` (`Address\_ID`)

ON DELETE NO ACTION

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Employee`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Employee` (

`Employee\_ID` INT NOT NULL AUTO\_INCREMENT,

`Employee\_FNAME` VARCHAR(45) NOT NULL,

`Employee\_LNAME` VARCHAR(45) NOT NULL,

`Employee\_PH` VARCHAR(12) NOT NULL,

`Employee\_SSN` VARCHAR(11) NOT NULL,

`DealerShip\_DealerShip\_ID` INT NOT NULL,

`Address\_Address\_ID` INT NOT NULL,

PRIMARY KEY (`Employee\_ID`),

INDEX `fk\_Employee\_DealerShip1\_idx` (`DealerShip\_DealerShip\_ID` ASC) VISIBLE,

INDEX `fk\_Employee\_Address1\_idx` (`Address\_Address\_ID` ASC) VISIBLE,

UNIQUE INDEX `Employee\_SSN\_UNIQUE` (`Employee\_SSN` ASC) VISIBLE,

UNIQUE INDEX `Employee\_PH\_UNIQUE` (`Employee\_PH` ASC) VISIBLE,

UNIQUE INDEX `Employee\_ID\_UNIQUE` (`Employee\_ID` ASC) VISIBLE,

UNIQUE INDEX `Address\_Address\_ID\_UNIQUE` (`Address\_Address\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Employee\_DealerShip1`

FOREIGN KEY (`DealerShip\_DealerShip\_ID`)

REFERENCES `AutoNation`.`DealerShip` (`DealerShip\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Employee\_Address1`

FOREIGN KEY (`Address\_Address\_ID`)

REFERENCES `AutoNation`.`Address` (`Address\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Brand`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Brand` (

`Brand\_ID` INT NOT NULL AUTO\_INCREMENT,

`Brand\_Name` ENUM('Volkswagen', 'Toyota', 'Daimler', 'Ford', 'Honda', 'General Motors', 'SAIC', 'BMW', 'Volvo') NOT NULL,

`Brand\_Country` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Brand\_ID`),

UNIQUE INDEX `Brand\_ID\_UNIQUE` (`Brand\_ID` ASC) VISIBLE,

UNIQUE INDEX `Brand\_Name\_UNIQUE` (`Brand\_Name` ASC) VISIBLE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Vehicle`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Vehicle` (

`Vehicle\_ID` INT NOT NULL AUTO\_INCREMENT,

`Vehicle\_Type` ENUM('Sedan', 'Coupe', 'Sports', 'StationWagon', 'HatchBack', 'Luxury') NULL DEFAULT 'Sedan',

`Vehicle\_Door` ENUM('2', '4') NOT NULL,

`Vehicle\_Year` YEAR(4) NULL DEFAULT 0000,

`Vehicle\_VIN` VARCHAR(17) NOT NULL,

`Vehicle\_Price` DECIMAL(8,2) UNSIGNED NOT NULL,

`DealerShip\_DealerShip\_ID` INT NOT NULL,

`Brand\_Brand\_ID` INT NOT NULL,

PRIMARY KEY (`Vehicle\_ID`, `Brand\_Brand\_ID`, `DealerShip\_DealerShip\_ID`),

INDEX `fk\_Vehicle\_DealerShip1\_idx` (`DealerShip\_DealerShip\_ID` ASC) VISIBLE,

INDEX `fk\_Vehicle\_Brand1\_idx` (`Brand\_Brand\_ID` ASC) VISIBLE,

UNIQUE INDEX `Vehicle\_ID\_UNIQUE` (`Vehicle\_ID` ASC) VISIBLE,

UNIQUE INDEX `Vehicle\_VIN\_UNIQUE` (`Vehicle\_VIN` ASC) VISIBLE,

CONSTRAINT `fk\_Vehicle\_DealerShip1`

FOREIGN KEY (`DealerShip\_DealerShip\_ID`)

REFERENCES `AutoNation`.`DealerShip` (`DealerShip\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Vehicle\_Brand1`

FOREIGN KEY (`Brand\_Brand\_ID`)

REFERENCES `AutoNation`.`Brand` (`Brand\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Payment\_Type`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Payment\_Type` (

`Payment\_Type\_ID` INT NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`Payment\_Type\_ID`),

UNIQUE INDEX `Payment\_Type\_ID\_UNIQUE` (`Payment\_Type\_ID` ASC) VISIBLE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Contract`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Contract` (

`Contract\_ID` INT NOT NULL AUTO\_INCREMENT,

`Contract\_Warranty` INT UNSIGNED NULL DEFAULT NULL,

`Contract\_Insurance` TINYINT NULL DEFAULT 0,

`Payment\_Type\_Payment\_Type\_ID` INT NOT NULL,

`Employee\_Employee\_ID` INT NOT NULL,

`Customer\_Customer\_ID` INT NOT NULL,

`Vehicle\_Vehicle\_ID` INT NULL DEFAULT NULL,

`Contract\_Cost` DECIMAL(8,2) NULL,

PRIMARY KEY (`Contract\_ID`),

UNIQUE INDEX `Contract\_ID\_UNIQUE` (`Contract\_ID` ASC) VISIBLE,

INDEX `fk\_Contract\_Payment\_Type1\_idx` (`Payment\_Type\_Payment\_Type\_ID` ASC) VISIBLE,

INDEX `fk\_Contract\_Employee1\_idx` (`Employee\_Employee\_ID` ASC) VISIBLE,

INDEX `fk\_Contract\_Customer1\_idx` (`Customer\_Customer\_ID` ASC) VISIBLE,

INDEX `fk\_Contract\_Vehicle1\_idx` (`Vehicle\_Vehicle\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Contract\_Payment\_Type1`

FOREIGN KEY (`Payment\_Type\_Payment\_Type\_ID`)

REFERENCES `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Contract\_Employee1`

FOREIGN KEY (`Employee\_Employee\_ID`)

REFERENCES `AutoNation`.`Employee` (`Employee\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Contract\_Customer1`

FOREIGN KEY (`Customer\_Customer\_ID`)

REFERENCES `AutoNation`.`Customer` (`Customer\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Contract\_Vehicle1`

FOREIGN KEY (`Vehicle\_Vehicle\_ID`)

REFERENCES `AutoNation`.`Vehicle` (`Vehicle\_ID`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Loan`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Loan` (

`Loan\_ID` INT NOT NULL AUTO\_INCREMENT,

`Loan\_Interest` DECIMAL(3,2) UNSIGNED NOT NULL,

`Loan\_Term` ENUM('48', '60', '72') NOT NULL DEFAULT '60',

`Loan\_Downpayment` DECIMAL(6,2) UNSIGNED NULL,

`Payment\_Type\_Payment\_Type\_ID` INT NOT NULL,

PRIMARY KEY (`Loan\_ID`),

INDEX `fk\_Loan\_Payment\_Type1\_idx` (`Payment\_Type\_Payment\_Type\_ID` ASC) VISIBLE,

UNIQUE INDEX `Loan\_ID\_UNIQUE` (`Loan\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Loan\_Payment\_Type1`

FOREIGN KEY (`Payment\_Type\_Payment\_Type\_ID`)

REFERENCES `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Lease`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Lease` (

`Lease\_ID` INT NOT NULL AUTO\_INCREMENT,

`Lease\_Term` ENUM('36', '48', '60') NOT NULL,

`Lease\_Miles` ENUM('10000', '12000', '15000') NOT NULL DEFAULT '10000',

`Lease\_Downpayment` DECIMAL(6,2) UNSIGNED NULL DEFAULT NULL,

`Lease\_Residual` DECIMAL(4,2) UNSIGNED NOT NULL DEFAULT 62.00,

`Payment\_Type\_Payment\_Type\_ID` INT NOT NULL,

PRIMARY KEY (`Lease\_ID`),

INDEX `fk\_Lease\_Payment\_Type1\_idx` (`Payment\_Type\_Payment\_Type\_ID` ASC) VISIBLE,

UNIQUE INDEX `Lease\_ID\_UNIQUE` (`Lease\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Lease\_Payment\_Type1`

FOREIGN KEY (`Payment\_Type\_Payment\_Type\_ID`)

REFERENCES `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Employee\_Role`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Employee\_Role` (

`Employee\_Role\_ID` INT NOT NULL AUTO\_INCREMENT,

`Employee\_Role\_Name` ENUM('Salesman', 'Manager', 'Finance Manager', 'Mechanic', 'Representative') NOT NULL,

PRIMARY KEY (`Employee\_Role\_ID`),

UNIQUE INDEX `Employee\_Role\_ID\_UNIQUE` (`Employee\_Role\_ID` ASC) VISIBLE,

UNIQUE INDEX `Employee\_Role\_Name\_UNIQUE` (`Employee\_Role\_Name` ASC) VISIBLE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Customer\_Employee\_Interaction`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Customer\_Employee\_Interaction` (

`Customer\_Employee\_Interaction\_ID` INT NOT NULL AUTO\_INCREMENT,

`Customer\_Customer\_ID` INT NOT NULL,

`Employee\_Employee\_ID` INT NOT NULL,

INDEX `fk\_Customer\_has\_Employee\_Employee1\_idx` (`Employee\_Employee\_ID` ASC) VISIBLE,

INDEX `fk\_Customer\_has\_Employee\_Customer1\_idx` (`Customer\_Customer\_ID` ASC) VISIBLE,

PRIMARY KEY (`Customer\_Employee\_Interaction\_ID`),

CONSTRAINT `fk\_Customer\_has\_Employee\_Customer1`

FOREIGN KEY (`Customer\_Customer\_ID`)

REFERENCES `AutoNation`.`Customer` (`Customer\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Customer\_has\_Employee\_Employee1`

FOREIGN KEY (`Employee\_Employee\_ID`)

REFERENCES `AutoNation`.`Employee` (`Employee\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `AutoNation`.`Employee\_has\_Employee\_Role`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `AutoNation`.`Employee\_has\_Employee\_Role` (

`Employee\_has\_Employee\_Role\_ID` INT NOT NULL,

`Employee\_Employee\_ID` INT NOT NULL,

`Employee\_Role\_Employee\_Role\_ID` INT NOT NULL,

INDEX `fk\_Employee\_has\_Employee\_Role\_Employee\_Role1\_idx` (`Employee\_Role\_Employee\_Role\_ID` ASC) VISIBLE,

INDEX `fk\_Employee\_has\_Employee\_Role\_Employee1\_idx` (`Employee\_Employee\_ID` ASC) VISIBLE,

PRIMARY KEY (`Employee\_has\_Employee\_Role\_ID`),

CONSTRAINT `fk\_Employee\_has\_Employee\_Role\_Employee1`

FOREIGN KEY (`Employee\_Employee\_ID`)

REFERENCES `AutoNation`.`Employee` (`Employee\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Employee\_has\_Employee\_Role\_Employee\_Role1`

FOREIGN KEY (`Employee\_Role\_Employee\_Role\_ID`)

REFERENCES `AutoNation`.`Employee\_Role` (`Employee\_Role\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

* Triggers

USE `AutoNation`;

DELIMITER $$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Vehicle\_Type\_BEFORE\_INSERT` BEFORE INSERT ON `Vehicle` FOR EACH ROW

BEGIN

IF new.Vehicle\_Type is NULL THEN

SET new.Vehicle\_Type="Sedan";

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Vehicle\_Year\_BEFORE\_INSERT` BEFORE INSERT ON `Vehicle` FOR EACH ROW

BEGIN

IF new.Vehicle\_Year is NULL THEN

SET new.Vehicle\_Year="0000";

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Vehicle\_Price\_AFTER\_INSERT` AFTER INSERT ON `Vehicle` FOR EACH ROW

BEGIN

declare msg varchar(128);

IF new.Vehicle\_Price > 800000 THEN

set msg = concat('MyTriggerError: Price is too High ', cast(new.Vehicle\_Price as char));

signal sqlstate '45000' set message\_text = msg;

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Vehicle\_PriceLow\_AFTER\_INSERT` AFTER INSERT ON `Vehicle` FOR EACH ROW

BEGIN

declare msg varchar(128);

IF new.Vehicle\_Price < 1000 THEN

set msg = concat('MyTriggerError: Price is too Low ', cast(new.Vehicle\_Price as char));

signal sqlstate '45000' set message\_text = msg;

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Loan\_Term\_DownPayment\_BEFORE\_INSERT` BEFORE INSERT ON `Loan` FOR EACH ROW

BEGIN

IF new.Loan\_Downpayment is NULL THEN

SET new.Loan\_Term="72";

END IF;

IF new.Loan\_Downpayment < 100 THEN

SET new.Loan\_Term="72";

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Loan\_Interest\_Range\_BEFORE\_INSERT` BEFORE INSERT ON `Loan` FOR EACH ROW

BEGIN

IF new.Loan\_Interest > 6.0 THEN

SET new.Loan\_Interest="6.0";

END IF;

IF new.Loan\_Interest < 1.0 THEN

SET new.Loan\_Interest="1.0";

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Lease\_Downpayment\_BEFORE\_INSERT` BEFORE INSERT ON `Lease` FOR EACH ROW

BEGIN

IF new.Lease\_Downpayment is NULL THEN

SET new.Lease\_Term="60";

END IF;

IF new.Lease\_Downpayment < 100.0 THEN

SET new.Lease\_Term="60";

END IF;

END$$

USE `AutoNation`$$

CREATE DEFINER = CURRENT\_USER TRIGGER `AutoNation`.`Lease\_Residual\_BEFORE\_INSERT` BEFORE INSERT ON `Lease` FOR EACH ROW

BEGIN

IF new.Lease\_Residual > 72.0 THEN

SET new.Lease\_Residual="72.0";

END IF;

IF new.Lease\_Residual < 40.0 THEN

SET new.Lease\_Residual="40.0";

END IF;

END$$

* **Insert Statement**

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;

-- -----------------------------------------------------

-- Data for table `AutoNation`.`AutoNation`

-- -----------------------------------------------------

START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`AutoNation` (`Buisness\_ID`, `AutoNation\_PhoneNumber`) VALUES (1, '714-677-1399');

INSERT INTO `AutoNation`.`AutoNation` (`Buisness\_ID`, `AutoNation\_PhoneNumber`) VALUES (2, '752-958-7426');

INSERT INTO `AutoNation`.`AutoNation` (`Buisness\_ID`, `AutoNation\_PhoneNumber`) VALUES (3, '450-316-3316');

COMMIT;

-- -----------------------------------------------------

-- Data for table `AutoNation`.`Address`

-- -----------------------------------------------------

START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (1, '93099 Brown Crossing', 'NY', 'Albany', '9972');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (2, '4182 Boyd Junction', 'LA', 'Lake Charles', '35860');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (3, '4 Hallows Trail', 'CT', 'Hartford', '36405');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (4, '170 Holmberg Avenue', 'AR', 'Fort Smith', '42982');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (5, '7387 John Wall Drive', 'MA', 'Worcester', '4851');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (6, '53 Reindahl Drive', 'NE', 'Omaha', '42993');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (7, '2 Debs Plaza', 'WI', 'Madison', '69839');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (8, '988 Arizona Court', 'OH', 'Cincinnati', '88635');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (9, '758 Surrey Hill', 'CA', 'Los Angeles', '54648');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (10, '9571 Oak Valley Street', 'MN', 'Minneapolis', '57614');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (11, '68853 Hermina Trail', 'MD', 'Bowie', '35794');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (12, '74875 South Plaza', 'MS', 'Jackson', '15473');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (13, '14 Crest Line Junction', 'LA', 'Baton Rouge', '93546');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (14, '4 Pond Drive', 'MN', 'Saint Paul', '74671');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (15, '40893 Summit Trail', 'NE', 'Omaha', '80293');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (16, '82183 Westerfield Parkway', 'CA', 'Anaheim', '71517');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (17, '18 Sauthoff Hill', 'CA', 'Los Angeles', '60455');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (18, '59 Arapahoe Court', 'DC', 'Washington', '63011');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (19, '03333 Fieldstone Circle', 'MD', 'Laurel', '21639');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (20, '65 Park Meadow Park', 'CA', 'Oakland', '16823');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (21, '611 South Road', 'FL', 'Tampa', '19005');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (22, '4862 Hayes Court', 'VA', 'Springfield', '51893');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (23, '4582 Sherman Drive', 'WA', 'Everett', '80884');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (24, '5241 Dexter Circle', 'TX', 'Amarillo', '19636');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (25, '202 American Ash Point', 'MS', 'Biloxi', '8136');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (26, '9 Little Fleur Pass', 'PA', 'Erie', '94067');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (27, '4 Service Street', 'CA', 'Los Angeles', '54545');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (28, '1 Loeprich Junction', 'DE', 'Wilmington', '99080');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (29, '4 Dakota Street', 'TX', 'Dallas', '66917');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (30, '398 Brown Crossing', 'ID', 'Boise', '24949');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (31, '4 Prentice Road', 'GA', 'Athens', '30605');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (32, '98469 Autumn Leaf Hill', 'IA', 'Des Moines', '50310');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (33, '19847 Larry Way', 'MD', 'Bethesda', '20892');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (34, '24 Swallow Pass', 'CA', 'Stockton', '95205');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (35, '99580 Bowman Lane', 'NY', 'New York City', '10150');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (36, '3 Oriole Point', 'TX', 'Dallas', '75310');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (37, '9853 Ilene Road', 'MI', 'Grand Rapids', '49518');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (38, '7 Mariners Cove Alley', 'TX', 'Wichita Falls', '76305');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (39, '992 Melby Lane', 'MO', 'Kansas City', '64190');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (40, '90733 Holy Cross Park', 'ND', 'Fargo', '58106');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (41, '6 Elmside Pass', 'TX', 'El Paso', '79989');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (42, '13 Blackbird Drive', 'WV', 'Charleston', '25362');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (43, '6565 Leroy Hill', 'WA', 'Seattle', '98158');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (44, '6775 Manufacturers Drive', 'NJ', 'Paterson', '7505');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (45, '3 Hazelcrest Avenue', 'SC', 'Columbia', '29215');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (46, '9505 Bluestem Park', 'TX', 'Arlington', '76011');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (47, '2 Maple Wood Lane', 'OK', 'Oklahoma City', '73157');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (48, '17 Jenna Park', 'AL', 'Huntsville', '35815');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (49, '00336 Harbort Park', 'CA', 'Newport Beach', '92662');

INSERT INTO `AutoNation`.`Address` (`Address\_ID`, `Address\_Street`, `Address\_State`, `Address\_County`, `Address\_Zipcode`) VALUES (50, '3 Caliangt Hill', 'AL', 'Montgomery', '36104');

COMMIT;

-- -----------------------------------------------------

-- Data for table `AutoNation`.`DealerShip`

-- -----------------------------------------------------

START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`DealerShip` (`DealerShip\_ID`, `DealerShip\_Ph`, `DealerShip\_Name`, `Address\_Address\_ID`, `AutoNation\_Buisness\_ID`) VALUES (1, '331-763-7517', 'Americi', 1, 3);

INSERT INTO `AutoNation`.`DealerShip` (`DealerShip\_ID`, `DealerShip\_Ph`, `DealerShip\_Name`, `Address\_Address\_ID`, `AutoNation\_Buisness\_ID`) VALUES (2, '183-749-0067', 'Dillestone', 4, 3);

INSERT INTO `AutoNation`.`DealerShip` (`DealerShip\_ID`, `DealerShip\_Ph`, `DealerShip\_Name`, `Address\_Address\_ID`, `AutoNation\_Buisness\_ID`) VALUES (3, '669-891-4447', 'Delf', 2, 1);

INSERT INTO `AutoNation`.`DealerShip` (`DealerShip\_ID`, `DealerShip\_Ph`, `DealerShip\_Name`, `Address\_Address\_ID`, `AutoNation\_Buisness\_ID`) VALUES (4, '409-505-0967', 'Tibbits', 5, 3);

INSERT INTO `AutoNation`.`DealerShip` (`DealerShip\_ID`, `DealerShip\_Ph`, `DealerShip\_Name`, `Address\_Address\_ID`, `AutoNation\_Buisness\_ID`) VALUES (5, '141-258-2483', 'Bronot', 3, 2);

COMMIT;

-- -----------------------------------------------------

-- Data for table `AutoNation`.`Customer`

-- -----------------------------------------------------

START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (1, 'Phillipe', 'Facchini', '764-308-6928', 32);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (2, 'Burl', 'Hastewell', '812-271-8438', 43);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (3, 'Nanon', 'Espadater', '835-785-2958', 48);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (4, 'Lillian', 'Eland', '679-158-1031', 37);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (5, 'Ingrid', 'Tattoo', '958-409-8885', 29);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (6, 'Jessalyn', 'Plews', '745-218-9731', 30);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (7, 'Deva', 'Mundwell', '783-864-8332', 39);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (8, 'Brice', 'Halle', '862-943-5591', 27);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (9, 'Davita', 'Jeves', '118-644-7075', 38);

INSERT INTO `AutoNation`.`Customer` (`Customer\_ID`, `Customer\_FNAME`, `Customer\_LNAME`, `Customer\_PH`, `Address\_Address\_ID`) VALUES (10, 'Almeda', 'Yushkin', '766-441-7252', 36);

COMMIT;

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-- Data for table `AutoNation`.`Employee`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (1, 'Daria', 'Wooller', '781-265-0324', '201-22-2333', 4, 11);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (2, 'Bernadette', 'Blazey', '318-131-8357', '223-66-0117', 2, 13);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (3, 'Magda', 'McDonell', '894-351-9250', '149-32-6745', 3, 23);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (4, 'Saul', 'Bellee', '301-494-7692', '649-96-7814', 5, 24);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (5, 'Jess', 'Huyton', '447-694-3743', '272-38-9218', 3, 14);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (6, 'Hanson', 'Hewertson', '696-421-5093', '213-80-7880', 1, 12);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (7, 'Kimberlee', 'Spellessy', '285-253-5279', '230-16-0234', 2, 10);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (8, 'Kyle', 'Blinman', '743-138-5252', '431-88-5028', 2, 21);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (9, 'Windy', 'Lubbock', '944-429-1146', '789-16-7027', 4, 15);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (10, 'Abbe', 'Kittiman', '163-886-6648', '557-36-8724', 5, 7);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (11, 'Fidole', 'Dady', '627-768-4687', '370-04-6842', 3, 8);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (12, 'Jamie', 'Hek', '989-313-7714', '845-99-9159', 3, 16);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (13, 'Devondra', 'Shower', '980-108-7577', '109-01-9391', 2, 9);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (14, 'Belinda', 'Couvet', '287-637-8002', '814-02-4131', 3, 22);

INSERT INTO `AutoNation`.`Employee` (`Employee\_ID`, `Employee\_FNAME`, `Employee\_LNAME`, `Employee\_PH`, `Employee\_SSN`, `DealerShip\_DealerShip\_ID`, `Address\_Address\_ID`) VALUES (15, 'Godiva', 'Jenks', '964-551-0799', '286-76-3743', 3, 6);

COMMIT;

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-- Data for table `AutoNation`.`Brand`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (1, 'Volkswagen', 'Germany');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (2, 'Daimler', 'Germany');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (3, 'Toyota', 'Japan');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (4, 'Ford', 'United States');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (5, 'Honda', 'Japan');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (6, 'General Motors', 'United States');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (7, 'SAIC', 'China');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (8, 'BMW', 'Germany');

INSERT INTO `AutoNation`.`Brand` (`Brand\_ID`, `Brand\_Name`, `Brand\_Country`) VALUES (9, 'Volvo', 'Japan');

COMMIT;

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-- Data for table `AutoNation`.`Vehicle`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (1, 'Sedan', '4', 1998, '1B3CB1HA0AD474522', 7216.01, 5, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (2, 'Sedan', '2', 2008, 'WAUWFAFH3DN390335', 51839.54, 2, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (3, 'Sports', '2', 2000, '1D7RV1GP1BS440128', 62054.75, 2, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (4, 'Luxury', '4', 1992, '5GADT13S942091986', 115827.3, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (5, 'Coupe', '4', 2001, '1C3CCBCG5EN082346', 30469.25, 1, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (6, 'Sedan', '2', 1987, '1FAHP3FN8AW993237', 49413.04, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (7, 'Coupe', '2', 2007, '1NXBU4EE8AZ288218', 91333.37, 1, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (8, 'HatchBack', '4', 2007, 'WAUEL94F05N848838', 82946.43, 4, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (9, 'Sports', '2', 2007, '2LMHJ5AR6AB488185', 36707.36, 2, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (10, 'Sports', '4', 1999, 'WA1EV74L48D221054', 74256, 5, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (11, 'Sedan', '4', 2006, 'WBAVC73508A748246', 110580.13, 5, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (12, 'StationWagon', '4', 1995, '1GKS2GEJ3DR808247', 93051.93, 4, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (13, 'Sedan', '2', 2008, '1G6AY5SX7F0749555', 39500.89, 3, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (14, 'Coupe', '2', 2004, '5J6TF1H38FL741465', 103894.23, 1, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (15, 'Coupe', '2', 1963, '5N1AN0NU4BC199861', 110558.28, 4, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (16, 'Sedan', '2', 1994, 'WBAVC73547A540563', 89090.66, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (17, 'Coupe', '2', 2001, 'WAU4FBFL3BA349810', 42893.5, 4, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (18, 'StationWagon', '4', 2003, 'WBANE535X7C550338', 19479.57, 5, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (19, 'StationWagon', '4', 1985, '5XYZG3ABXBG273285', 40552.02, 4, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (20, 'Luxury', '4', 2011, '1D7RW2GK1BS592529', 30102.12, 5, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (21, 'Luxury', '2', 1997, '2C3CDXJG5FH275880', 37237.49, 1, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (22, 'Sedan', '2', 2005, '1G4GC5GG8AF024787', 52519.94, 3, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (23, 'Luxury', '2', 2003, 'JTDKN3DU1F0267228', 43102.66, 5, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (24, 'Sports', '4', 2001, 'JN1CV6FE2EM235670', 96729.32, 1, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (25, 'StationWagon', '4', 2008, 'WAUDGAFLXDA194215', 60078.9, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (26, 'Sports', '4', 1990, 'JN8AS1MU3AM933374', 16935.38, 3, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (27, 'Luxury', '2', 2011, 'WBA4B3C57FD878785', 46457.59, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (28, 'Luxury', '4', 2004, '1GYEE23AX90944287', 63849.29, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (29, 'Sedan', '4', 1995, 'YV1952AS1D1700995', 89479.63, 1, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (30, 'Coupe', '4', 1986, 'YV4952CF5E1141472', 12634.76, 2, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (31, 'Sedan', '2', 2002, '5XYKT3A1XBG148517', 40361.48, 3, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (32, 'HatchBack', '2', 2006, '1FTMF1C8XAK200507', 34432.14, 3, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (33, 'Sedan', '2', 1996, 'WP0AB2A83CS973106', 39174.06, 3, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (34, 'Sedan', '2', 1997, '3C63DRJL7CG620236', 68561.46, 5, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (35, 'Sports', '2', 2011, 'JTJHY7AX1D4374340', 73084.51, 3, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (36, 'Luxury', '2', 1996, 'SCFBF04BX8G867560', 117153.27, 1, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (37, 'HatchBack', '4', 1991, 'SCFEDCAD6BG394452', 86710.91, 4, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (38, 'Luxury', '4', 1984, '1G6KF57984U270832', 84002.8, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (39, 'Sedan', '4', 2003, 'WAUGL98E56A653028', 81918.22, 3, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (40, 'Sedan', '2', 2012, '1GYUKDEF3AR798758', 105281.1, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (41, 'StationWagon', '4', 1992, 'SCFEFBBC0AG970335', 16201.31, 3, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (42, 'Sedan', '2', 2001, 'KNALN4D76F5649873', 36637.78, 1, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (43, 'Sports', '2', 1998, '2C4RRGAG2ER041342', 6778.27, 5, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (44, 'Sedan', '4', 1998, '1G6EL12Y31B720827', 67756.1, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (45, 'Coupe', '4', 1992, '1G4GD5G37EF210529', 109337.82, 1, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (46, 'StationWagon', '4', 1996, 'KNDJT2A51C7461463', 52693.12, 3, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (47, 'HatchBack', '2', 1993, '1GYEE23A690560717', 108420.76, 3, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (48, 'Sedan', '4', 2006, 'WBALM7C59EE593897', 52584.82, 2, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (49, 'StationWagon', '4', 2005, '1G4HP54K424343862', 80605.96, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (50, 'Sedan', '2', 1995, 'JH4DC54826S454574', 10591.26, 4, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (51, 'Coupe', '4', 1992, 'JHMZF1C43CS856457', 19116.77, 1, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (52, 'Sports', '4', 2012, 'WAUVC68E62A293431', 25409.2, 4, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (53, 'Coupe', '4', 1995, '3GYFNBEY0AS950241', 25652.85, 1, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (54, 'Sedan', '4', 1991, '1C6RD7LP7CS455554', 20487.1, 5, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (55, 'StationWagon', '4', 0000, '5GAER23728J827764', 111534.47, 5, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (56, 'Coupe', '4', 2010, 'SALAG2D49DA464549', 16146.68, 4, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (57, 'StationWagon', '4', 2005, '1C4AJWAG1FL642735', 58148.92, 4, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (58, 'Luxury', '4', 1994, 'KNDPB3A21D7780050', 111948.85, 5, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (59, 'Luxury', '4', 2009, 'WBA3A5C51DF834048', 39495.02, 2, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (60, 'Sedan', '4', 2011, 'JTDJTUD32ED204337', 98289.6, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (61, 'Coupe', '2', 2006, 'JN8AE2KP5F9968907', 103199.99, 4, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (62, 'Sedan', '2', 2008, 'WDDHF5KB4EA468074', 107877.29, 2, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (63, 'Sedan', '2', 1992, 'SALVP2BG7FH371666', 79298.76, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (64, 'Sports', '2', 1989, 'JTHBF1D29F5485581', 68817.89, 4, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (65, 'HatchBack', '2', 2006, 'WBADW3C55DJ049748', 107757.05, 1, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (66, 'Luxury', '4', 2003, 'WBA3A5C50CF704955', 12446.41, 4, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (67, 'Sedan', '2', 1993, '3GYFNFEY2AS383103', 75613.18, 5, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (68, 'Sports', '4', 2009, 'WAUVFAFH7CN052253', 50932.71, 5, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (69, 'HatchBack', '4', 1995, '3GYFNDE34DS318203', 18180.29, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (70, 'Coupe', '4', 1991, '5GAKRCED0BJ139975', 110615.55, 4, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (71, 'Sedan', '2', 2001, 'WAUAF78E98A138490', 119882.78, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (72, 'HatchBack', '4', 2001, 'WDDGF4HB4EA705000', 42827.91, 1, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (73, 'Sedan', '2', 1992, '2FMPK4J99FB308183', 31640.39, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (74, 'Coupe', '4', 1998, '5J6YH1H37AL903532', 91685.1, 1, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (75, 'HatchBack', '4', 1991, 'WAUEF48H98K427681', 4324.18, 4, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (76, 'Sedan', '2', 1971, 'JTHDU1EF4C5552440', 118650.12, 2, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (77, 'Luxury', '2', 2001, 'WBA3A5C56FP217516', 91423.67, 4, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (78, 'Luxury', '2', 2001, '3VW4A7AT7CM943677', 44173.5, 4, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (79, 'Coupe', '4', 2002, 'WP0CB2A81FS582680', 63014.76, 3, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (80, 'Coupe', '2', 2010, 'KMHCT4AE1DU458596', 35114.6, 3, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (81, 'Coupe', '2', 1993, '1GYS3GEF4CR333446', 44033.13, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (82, 'HatchBack', '4', 2010, '3C3CFFFH9DT155462', 22634.67, 2, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (83, 'Sedan', '2', 2001, 'WAURVAFA7AN659192', 38887.65, 5, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (84, 'HatchBack', '2', 1989, '1G6AW5SXXF0695335', 16880.42, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (85, 'Sedan', '2', 2010, '2HNYD28217H454086', 101218.78, 1, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (86, 'Sedan', '2', 2007, 'WVWED7AJXBW345692', 43511.39, 5, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (87, 'StationWagon', '2', 1993, '1YVHZ8BA9A5249313', 100923.83, 1, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (88, 'Coupe', '2', 2003, '5NPEB4AC8BH794817', 113964.75, 5, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (89, 'Coupe', '4', 1988, '19UUA66235A414659', 96881.23, 4, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (90, 'Sedan', '4', 1990, 'YV1672MK3D2937751', 83347.76, 5, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (91, 'StationWagon', '2', 2000, '1C3CCBHG8CN211816', 71666.99, 2, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (92, 'StationWagon', '2', 1994, 'JH4CU2F64CC059580', 94925.11, 5, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (93, 'StationWagon', '4', 1993, 'JN1AZ4EH2EM795958', 60742.32, 3, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (94, 'HatchBack', '4', 2004, '3VW517AT1EM764316', 23779.42, 5, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (95, 'Coupe', '2', 1999, 'WBAFA53591L052297', 116611.18, 1, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (96, 'HatchBack', '4', 1997, '1G6AE5SX0E0202537', 15974.36, 2, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (97, 'Luxury', '2', 1997, 'WAUAC48H84K720067', 100649.73, 3, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (98, 'Sedan', '4', 2005, 'SCFFDABM6EG228721', 50426.72, 5, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (99, 'StationWagon', '2', 1996, '5FRYD3H65GB928771', 77767.67, 5, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (100, 'Coupe', '4', 2006, '3C3CFFCR7CT120236', 31404.81, 1, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (101, 'Luxury', '4', 2007, '1FTSW3A5XAE579664', 48175.83, 3, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (102, 'Sports', '4', 2000, '2G4GT5GC5B9531251', 110214.83, 4, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (103, 'Sports', '2', 2005, 'WBA3A9G54CN358562', 78936.29, 1, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (104, 'Sedan', '2', 0000, '1GD022CG0CZ265477', 40614.92, 2, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (105, 'StationWagon', '4', 2010, 'WAUEFAFL9EN423114', 39667.84, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (106, 'Sports', '2', 1992, '1FMJU1F59AE793751', 29791.53, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (107, 'Sports', '4', 1970, '1FTEW1CW0AK817076', 17081.81, 3, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (108, 'Coupe', '2', 1996, 'WBAYA6C58ED810273', 100356.35, 1, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (109, 'Sedan', '2', 2007, 'WAUHGBFC8EN052270', 13001.72, 2, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (110, 'HatchBack', '4', 1996, '1N6AA0CJ2EN495430', 61329.37, 4, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (111, 'Sports', '2', 2009, 'SCBET9ZA9F8610473', 10730.87, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (112, 'Sports', '2', 2008, 'SCFEBBEL6DG446439', 113791.38, 4, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (113, 'StationWagon', '4', 1992, 'WBAFR9C52CC728429', 104832.3, 4, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (114, 'Luxury', '4', 1999, 'WBAUL7C58DV892528', 96012.77, 2, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (115, 'HatchBack', '4', 2002, '3N1AB6AP0BL117082', 20974.87, 1, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (116, 'HatchBack', '2', 1989, 'JN8AE2KP8B9831647', 103126.39, 4, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (117, 'Luxury', '4', 2006, 'WBAFR9C52CD086840', 68781.74, 3, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (118, 'Coupe', '4', 1993, 'WBAAN37471N644631', 80750.71, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (119, 'Coupe', '2', 1967, 'KNAFX5A86F5319385', 73967.96, 4, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (120, 'Sedan', '2', 1988, 'KNADM4A35C6124057', 31738.93, 1, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (121, 'StationWagon', '2', 2006, '1G6DD67V090198735', 91101.72, 1, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (122, 'Coupe', '2', 1996, 'JN8AF5MR6DT394184', 24406.32, 3, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (123, 'HatchBack', '4', 2007, '3GYEK63N13G004496', 68426.08, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (124, 'Sports', '4', 2008, '3D7TP2CT3BG361348', 4160, 2, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (125, 'Luxury', '4', 2006, '1GYUKBEF0AR054846', 25679.15, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (126, 'Coupe', '4', 1995, 'JTHBL5EF4E5917431', 86438.01, 3, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (127, 'Coupe', '2', 1999, 'JH4KC1F94EC638171', 57527.71, 3, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (128, 'Sports', '2', 2008, 'WA1LGBFEXCD698678', 107871.51, 2, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (129, 'Sports', '2', 1999, 'WAUAH74F38N383562', 88078.28, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (130, 'Luxury', '4', 1999, 'WBAVC73508K904473', 100530.62, 3, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (131, 'Sports', '2', 1993, '19UUA66297A224643', 89560.79, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (132, 'Luxury', '4', 2007, '1GYFC162X9R063237', 35015.88, 3, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (133, 'Luxury', '4', 2006, 'WBAET37474N962325', 70655.64, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (134, 'Coupe', '2', 1996, 'JA32U1FU5AU069661', 22159.53, 2, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (135, 'Sports', '4', 2003, '4T1BK3DB0AU104929', 65427.85, 3, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (136, 'StationWagon', '4', 2002, '1FTEW1E87AK859470', 115437.32, 3, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (137, 'StationWagon', '2', 2005, '19UUA65664A818817', 78368.9, 5, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (138, 'StationWagon', '2', 2007, '5FRYD3H91GB130472', 16719.44, 1, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (139, 'Luxury', '4', 2011, 'KNALW4D48F6076844', 101041.66, 1, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (140, 'HatchBack', '2', 1995, '1FTEW1CM5BF359608', 71070.72, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (141, 'Coupe', '4', 2007, 'WAUVT54B52N926354', 16267.76, 2, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (142, 'StationWagon', '2', 1996, '1YVHZ8BA0A5367766', 96590.34, 1, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (143, 'Sedan', '4', 2003, 'WBAWB73577P402147', 52417.06, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (144, 'HatchBack', '4', 1994, '1FTEX1CV4AF260511', 50461.43, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (145, 'HatchBack', '4', 0000, 'WAUKF78E18A407375', 69165.57, 1, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (146, 'Sports', '2', 2000, '3D73Y4HL3BG454811', 22441.8, 1, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (147, 'Sedan', '2', 2006, 'WBAYE8C51DD634780', 100628.92, 5, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (148, 'Sports', '2', 2011, '3D73Y4EL2AG260855', 37324.37, 4, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (149, 'Sedan', '2', 2003, 'WDDHF2EB3CA056395', 78864.67, 5, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (150, 'Sports', '2', 1988, '2C3CCARG4FH721053', 15012.05, 2, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (151, 'Sedan', '4', 2007, '5N1AA0ND6EN407193', 106009.45, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (152, 'StationWagon', '2', 2008, 'WAUDG94F05N252998', 86494.37, 1, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (153, 'Sports', '4', 2012, 'WVWED7AJXBW701199', 55084.15, 3, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (154, 'Coupe', '2', 1991, 'JH4CU2F62AC226757', 14833.92, 2, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (155, 'Sedan', '4', 2009, 'SCBCR73W28C500878', 65844.4, 4, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (156, 'Sedan', '4', 1994, 'WAUVT68E14A817765', 116090.4, 1, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (157, 'Coupe', '4', 2012, 'JH4KB2F53AC867828', 7606.83, 2, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (158, 'Luxury', '2', 2010, 'WAUJC58E62A642290', 3385.98, 3, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (159, 'Sports', '2', 2000, 'JA32U1FU7AU141847', 21819.13, 2, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (160, 'Luxury', '4', 2005, 'JM1DE1KY1C0777027', 18516.59, 5, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (161, 'HatchBack', '2', 2007, '1C3ADEBZXDV451354', 16332.6, 2, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (162, 'Sports', '2', 2011, '2C3CCABG6EH773860', 114131.2, 5, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (163, 'HatchBack', '2', 1993, 'SAJWA4EB0EL574145', 95907.11, 1, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (164, 'Sedan', '4', 0000, 'WBAXA5C59ED783056', 64232.97, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (165, 'Sedan', '2', 1993, '1G6DS1E34C0288164', 96357.04, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (166, 'Coupe', '2', 2011, '3VW1K7AJ2DM593407', 19128.78, 2, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (167, 'Coupe', '2', 2004, '2T1BURHEXFC076146', 117179.76, 1, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (168, 'Luxury', '2', 2001, 'WBAYF4C55ED514309', 12978, 4, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (169, 'Sports', '4', 1997, 'JH4NA12694T148502', 25641.81, 2, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (170, 'Sedan', '4', 2006, '1GYFC66808R270543', 16878.92, 4, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (171, 'Sedan', '2', 1993, '1B3CB4HA9AD092197', 27232.92, 5, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (172, 'Sedan', '2', 2008, '1G6DP8EV3A0546618', 85922.99, 5, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (173, 'Sedan', '4', 1994, '1G6AX5SX9F0451544', 41583.3, 5, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (174, 'Sports', '4', 2006, '1C4RDHEG5DC378674', 76184.9, 4, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (175, 'Sports', '4', 1995, '2G61V5S86E9901024', 64981.32, 3, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (176, 'HatchBack', '2', 2011, '2G61U5S3XD9329428', 105408.87, 4, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (177, 'Sedan', '4', 2012, '3GYFNAE36FS254425', 11219.2, 2, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (178, 'HatchBack', '2', 2000, 'WAUKD98P99A850670', 18396.57, 4, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (179, 'Sports', '4', 1985, 'YV4952CT5E1500972', 28207.77, 5, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (180, 'Sports', '2', 1985, '1G6DM57T070636336', 57267.98, 3, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (181, 'Luxury', '2', 2002, '1N6AA0EC9FN405447', 56526.67, 1, 9);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (182, 'Sports', '2', 1993, '1C6RD6GP1CS622723', 14680.35, 5, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (183, 'Coupe', '4', 2006, '1G4GD5G33FF303520', 92917.65, 1, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (184, 'Coupe', '2', 1993, 'WBAFU9C55DD945306', 12131.31, 3, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (185, 'Sports', '2', 1993, '1G6AB5S34F0526999', 29540.56, 2, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (186, 'Sports', '4', 2010, '1FMJK1G50AE602786', 95866.71, 5, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (187, 'Luxury', '4', 2000, 'JM1NC2PF7E0032616', 29959.83, 2, 2);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (188, 'Sedan', '4', 1989, '1GYFK36229R900884', 51828.91, 3, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (189, 'Sports', '2', 1994, 'WAUBG78E66A822783', 86328.62, 5, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (190, 'Sedan', '2', 1994, 'JHMZF1C45CS165575', 89885.23, 5, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (191, 'Sports', '2', 1986, '1FTEX1CM7CF489579', 51112.58, 2, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (192, 'HatchBack', '2', 1998, 'SAJWA0EX6E8883514', 47086.38, 5, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (193, 'HatchBack', '2', 2008, 'WA1AGAFE9CD569266', 19433.54, 3, 8);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (194, 'Luxury', '2', 2010, 'WAUKF78E75A115841', 64649.43, 2, 6);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (195, 'Sedan', '2', 1986, 'JTHBE1BL9FA891558', 56213.59, 1, 3);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (196, 'Sports', '4', 2004, '1FTEX1C81AF106400', 104602.91, 4, 1);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (197, 'Luxury', '4', 1962, 'WBAET37434N713486', 101991.7, 1, 5);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (198, 'Sports', '4', 1988, '1GTN2TEH9FZ353227', 5327.56, 1, 7);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (199, 'Sports', '4', 1990, 'WBAPH7C58AA790910', 78865.86, 3, 4);

INSERT INTO `AutoNation`.`Vehicle` (`Vehicle\_ID`, `Vehicle\_Type`, `Vehicle\_Door`, `Vehicle\_Year`, `Vehicle\_VIN`, `Vehicle\_Price`, `DealerShip\_DealerShip\_ID`, `Brand\_Brand\_ID`) VALUES (200, 'Sedan', '2', 2000, 'WAUAF78E35A142014', 25442, 4, 9);

COMMIT;

-- -----------------------------------------------------

-- Data for table `AutoNation`.`Payment\_Type`

-- -----------------------------------------------------

START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (1);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (2);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (3);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (4);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (5);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (6);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (7);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (8);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (9);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (10);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (11);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (12);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (13);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (14);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (15);

INSERT INTO `AutoNation`.`Payment\_Type` (`Payment\_Type\_ID`) VALUES (16);

COMMIT;

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-- Data for table `AutoNation`.`Contract`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (1, 72, 1, 4, 5, 3, 172, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (2, 24, 0, 8, 11, 8, 11, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (3, 36, 1, 16, 15, 2, NULL, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (4, 12, 0, 16, 2, 1, 119, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (5, 12, 1, 11, 14, 2, 25, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (6, 36, 0, 14, 8, 3, 40, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (7, 60, 1, 7, 4, 1, 131, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (8, 36, 1, 5, 15, 2, 168, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (9, 48, 0, 11, 11, 9, 146, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (10, 36, 1, 13, 6, 9, 111, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (11, 60, 0, 14, 11, 6, 31, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (12, 24, 0, 9, 12, 4, 197, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (13, 24, 0, 14, 13, 3, 77, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (14, 48, 0, 1, 5, 5, 196, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (15, 12, 0, 4, 5, 4, 15, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (16, 36, 0, 3, 11, 9, 4, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (17, 12, 0, 4, 1, 2, 99, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (18, 36, 1, 4, 4, 9, 66, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (19, 36, 0, 14, 7, 10, 95, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (20, 72, 0, 5, 11, 5, 28, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (21, NULL, 0, 6, 5, 3, 97, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (22, 24, 0, 6, 14, 7, 132, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (23, 36, 0, 3, 11, 7, 68, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (24, 24, 1, 13, 4, 8, 92, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (25, 24, 1, 15, 7, 5, NULL, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (26, 12, 0, 7, 1, 9, 63, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (27, 48, 1, 2, 9, 5, 122, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (28, 12, 1, 10, 2, 10, 171, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (29, 36, 0, 7, 14, 2, 100, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (30, 12, 0, 16, 10, 4, 189, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (31, 48, 0, 8, 4, 8, 130, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (32, 12, 0, 10, 6, 6, 158, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (33, 12, 0, 8, 11, 4, 106, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (34, 12, 0, 14, 12, 3, 65, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (35, 72, 1, 3, 15, 7, 108, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (36, 48, 0, 13, 1, 8, 76, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (37, 72, 0, 16, 4, 5, 143, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (38, 24, 1, 10, 4, 5, 56, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (39, 36, 0, 15, 7, 5, 149, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (40, 12, 1, 7, 11, 1, 103, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (41, 36, 1, 8, 5, 7, 55, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (42, NULL, 0, 9, 10, 1, 194, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (43, 72, 1, 5, 6, 3, 181, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (44, 24, 0, 7, 8, 10, 23, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (45, 72, 0, 10, 3, 4, 128, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (46, 72, 0, 7, 13, 5, 45, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (47, 36, 0, 1, 15, 2, 29, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (48, 36, 0, 13, 12, 8, 118, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (49, 60, 1, 5, 11, 6, 101, NULL);

INSERT INTO `AutoNation`.`Contract` (`Contract\_ID`, `Contract\_Warranty`, `Contract\_Insurance`, `Payment\_Type\_Payment\_Type\_ID`, `Employee\_Employee\_ID`, `Customer\_Customer\_ID`, `Vehicle\_Vehicle\_ID`, `Contract\_Cost`) VALUES (50, 36, 1, 8, 7, 1, 79, NULL);

COMMIT;

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-- Data for table `AutoNation`.`Loan`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (1, 2.04, '72', 4491.58, 16);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (2, 1.52, '72', 1210.7, 13);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (3, 3.17, '48', 1492.91, 9);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (4, 1.94, '72', 1530.76, 14);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (5, 5.7, '60', 6815.1, 11);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (6, 4.44, '72', 3572.29, 12);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (7, 5.51, '72', 4693.81, 10);

INSERT INTO `AutoNation`.`Loan` (`Loan\_ID`, `Loan\_Interest`, `Loan\_Term`, `Loan\_Downpayment`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (8, 3.08, '72', 3059.4, 15);

COMMIT;

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-- Data for table `AutoNation`.`Lease`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (1, '36', '10000', NULL, 40.62, 5);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (2, '36', '12000', 2860.44, 63.51, 3);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (3, '48', '15000', 6259.56, 44.99, 6);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (4, '48', '12000', 1199.30, 36.32, 8);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (5, '60', '12000', 1664.01, 70.46, 2);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (6, '60', '10000', 6786.72, 59.25, 1);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (7, '48', '15000', 3035.25, 55.86, 4);

INSERT INTO `AutoNation`.`Lease` (`Lease\_ID`, `Lease\_Term`, `Lease\_Miles`, `Lease\_Downpayment`, `Lease\_Residual`, `Payment\_Type\_Payment\_Type\_ID`) VALUES (8, '36', '15000', 1492.43, 57.48, 7);

COMMIT;

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-- Data for table `AutoNation`.`Employee\_Role`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Employee\_Role` (`Employee\_Role\_ID`, `Employee\_Role\_Name`) VALUES (1, 'Salesman');

INSERT INTO `AutoNation`.`Employee\_Role` (`Employee\_Role\_ID`, `Employee\_Role\_Name`) VALUES (2, 'Manager');

INSERT INTO `AutoNation`.`Employee\_Role` (`Employee\_Role\_ID`, `Employee\_Role\_Name`) VALUES (3, 'Finance Manager');

INSERT INTO `AutoNation`.`Employee\_Role` (`Employee\_Role\_ID`, `Employee\_Role\_Name`) VALUES (4, 'Mechanic');

INSERT INTO `AutoNation`.`Employee\_Role` (`Employee\_Role\_ID`, `Employee\_Role\_Name`) VALUES (5, 'Representative');

COMMIT;

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-- Data for table `AutoNation`.`Customer\_Employee\_Interaction`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (1, 1, 4);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (2, 2, 13);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (3, 3, 12);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (4, 4, 5);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (5, 5, 4);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (6, 6, 3);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (7, 7, 14);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (8, 8, 2);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (9, 9, 1);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (10, 10, 13);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (11, 1, 2);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (12, 2, 12);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (13, 3, 11);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (14, 4, 10);

INSERT INTO `AutoNation`.`Customer\_Employee\_Interaction` (`Customer\_Employee\_Interaction\_ID`, `Customer\_Customer\_ID`, `Employee\_Employee\_ID`) VALUES (15, 5, 2);

COMMIT;

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-- Data for table `AutoNation`.`Employee\_has\_Employee\_Role`

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START TRANSACTION;

USE `AutoNation`;

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (1, 1, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (2, 2, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (3, 3, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (4, 4, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (5, 5, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (6, 5, 2);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (7, 6, 3);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (8, 7, 3);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (9, 8, 5);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (10, 9, 5);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (11, 10, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (12, 11, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (13, 12, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (14, 12, 3);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (15, 13, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (16, 14, 1);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (17, 15, 2);

INSERT INTO `AutoNation`.`Employee\_has\_Employee\_Role` (`Employee\_has\_Employee\_Role\_ID`, `Employee\_Employee\_ID`, `Employee\_Role\_Employee\_Role\_ID`) VALUES (18, 15, 3);

COMMIT;

* **Select Statement**

Select \* From Address;

Select \* From AutoNation;

Select \* From Brand;

Select \* From Contract;

Select \* From Customer;

Select \* From Customer\_Employee\_Interaction;

Select \* From Dealership;

Select \* From Employee;

Select \* From Employee\_Has\_Employee\_Role;

Select \* From Employee\_Role;

Select \* From Lease;

Select \* From Loan;

Select \* From Payment\_Type;

Select \* From Vehicle;

Appendix B - Data Dictionary Index

The following is sorted by the column name

|  |  |
| --- | --- |
| Attribute | Table |
| Address\_County | Address |
| Address\_ID | Address |
| Address\_State | Address |
| Address\_Street | Address |
| Address\_Zipcode | Address |
| AutoNation\_PhoneNumber | AutoNation |
| Brand\_Country | Brand |
| Brand\_ID | Brand |
| Brand\_Name | Brand |
| Buisness\_ID | AutoNation |
| Contract\_ID | Contract |
| Contract\_Insurance | Contract |
| Contract\_Warranty | Contract |
| Customer\_Employee\_Interaction\_ID | Customer\_Employee\_Interaction |
| Customer\_FNAME | Customer |
| Customer\_ID | Customer |
| Customer\_LNAME | Customer |
| Customer\_PH | Customer |
| Dealership\_ID | Dealership |
| Dealership\_Name | Dealership |
| Dealership\_Ph | Dealership |
| Employee\_FNAME | Employee |
| Employee\_Has\_Employee\_Role\_ID | Employee\_Has\_Employee\_Role |
| Employee\_ID | Employee |
| Employee\_LNAME | Employee |
| Employee\_PH | Employee |
| Employee\_Role\_ID | Employee\_Role |
| Employee\_Role\_Name | Employee\_Role |
| Employee\_SSN | Employee |
| Lease\_Downpayment | Lease |
| Lease\_ID | Lease |
| Lease\_Miles | Lease |
| Lease\_Residual | Lease |
| Lease\_Term | Lease |
| Loan\_Downpayment | Loan |
| Loan\_ID | Loan |
| Loan\_Interest | Loan |
| Loan\_Term | Loan |
| Payment\_Type\_ID | Payment\_Type |
| Vehicle\_Door | Vehicle |
| Vehicle\_ID | Vehicle |
| Vehicle\_Price | Vehicle |
| Vehicle\_Type | Vehicle |
| Vehicle\_VIN | Vehicle |
| Vehicle\_Year | Vehicle |

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