

```
create database Car_Repair_Shop;
use Car_Repair_Shop;
```

```
create table Mechanic(
    idMechanic int not null auto_increment primary key,
    Mechanic_Name varchar(45),
    Specialty varchar(45),
    Mechanic_Code int,
    Address varchar(100)
) auto_increment =1;
```

```
create table Team(
    idTeam int not null auto_increment primary key,
    Analyze_car varchar(45),
    Execute_Maintenance boolean,
    idMechanic_Mechanic int,
    constraint fk_Team_Mechanic foreign key(idMechanic_Mechanic) references
Mechanic(idMechanic)
) auto_increment =1;
```

```
create table Clients (
    idClients int not null auto_increment primary key,
    Client_Name varchar(100) not null,
    Address varchar(100) not null,
    Identification_Number char(9) not null,
    Telephone_Number char(11) not null,
    Email_Address varchar(100) not null,
    Workplace varchar(45),
    Work_Phone_Number char(11)
)auto_increment =1;
```

```
alter table Clients rename column Identification_Number to ID_Number;
```

```
create table Car(
    idCar int not null auto_increment primary key,
    Car_Plate char(7) not null unique,
    Model varchar(45) not null,
    Car_Year date not null,
    Color varchar(45) not null,
    Manufacturer varchar(45) not null,
    idClient_Client int,
    constraint fk_Client_Car foreign key (idClient_Client) references Clients(idClients)
)auto_increment =1;
```

```
create table Bank_Card(
    idCard int not null auto_increment primary key,
    Name_on_the_card varchar(45) not null,
    Card_Number char(16) not null,
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        Expiration_Date date not null,
        Designated_ID char(9) not null unique,
        Card_Type enum('Credit', 'Debit') default 'Credit'
    )auto_increment =1;

```

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create table Payment_Methos(
    idPayment_Methos int not null primary key,
    idCard_Card int,
    Money_Transfer boolean,
    Cash boolean,
    constraint fk_Card foreign key(idCard_Card) references Bank_Card(idCard)
)auto_increment =1;

```

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alter table Payment_Methods rename column idPayment_Methos to idPayment_Methods;

```

```

Create Table Sales_Data(
    idSales int not null primary key,
    Service_Price_Table json,
    Car_Part_Price_Table json
);

```

```

create table Service_Order(
    idService_Order int not null auto_increment primary key,
    So_Number int not null unique,
    SO_Date date not null,
    Price float not null,
    SO_Status enum("Waiting Approval", 'Approved', 'Declined') default 'Waiting
Approval',
    Deadline date,
    idSales_Data_Sales_Data int,
    idPayment_Methods_Payment_Methos int,
    dTeam_Team int,
    idCar_Car int,
    onstraint fk_SO_Sales_Data foreign key(idSales_Data_Sales_Data) references
Sales_Data(idSales),
    constraint fk_SO_Payment foreign key(idPayment_Methods_Payment_Methos)
references Payment_Methods(idPayment_Methos) ,
    constraint fk_SO_Team foreign key(idTeam_Team ) references Team(idTeam),
    constraint fk_SO_Vehicle foreign key(idCar_Car) references Car(idCar)
)auto_increment =1;

```

```

create table Client_Authorizes_SO(
    idClients_Clients int,
    idService_Order int,

```

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        Client_Answer enum('Approved', 'Declined', 'Considering') default 'Considering',
        constraint fk_Client_Client foreign key(idClients_Clients) references
Clients(idClients),
        constraint fk_Client_SO foreign key(idService_Order) references
Service_Order(idService_Order)
) auto_increment =1;

alter table Client_Authorizes_SO add primary key (idClients_Clients, idService_Order);

show tables from Car_Repair_Shop;
```