

```
USE master
```

```
GO
```

```
CREATE DATABASE Car_Rental_System_Database ;
```

```
USE Car_Rental_System_Database
```

```
GO
```

```
CREATE TABLE Car (
    CarID INTEGER NOT NULL ,
    Color TEXT NOT NULL ,
    ManufacturCompany TEXT NOT NULL ,
    CarModel TEXT NOT NULL ,
    EngineCapacity TEXT NOT NULL ,
    HorsePower TEXT NOT NULL ,
    MaximumSpeed TEXT NOT NULL ,
    TransmissionType TEXT NOT NULL ,
    YearModel TEXT NOT NULL ,
    Fuel TEXT NOT NULL ,
    TankSize TEXT NOT NULL ,
    Seats TEXT NOT NULL ,
    TractionType TEXT NOT NULL ,
    FuelTankCapacity TEXT NOT NULL ,
    NumberOfCylinder TEXT NOT NULL ,
    Price REAL NOT NULL

    PRIMARY KEY (CarID)
);
```

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```
CREATE TABLE Borrower (
    BorrowerID INTEGER NOT NULL ,
    BorrowerName TEXT NOT NULL ,
    Gender TEXT NOT NULL ,
    NationalID TEXT NOT NULL ,
    PhoneNumber TEXT NOT NULL ,
    Email TEXT NOT NULL ,
    BorrowerPassword TEXT NOT NULL ,
    UserName TEXT ,
    City TEXT NOT NULL ,
    Country TEXT NOT NULL ,
    Nationalty TEXT NOT NULL ,

    PRIMARY KEY (BorrowerID)
);
```

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```
CREATE TABLE Department (
    DepartmentID INTEGER NOT NULL ,
    DepartmentName TEXT NOT NULL ,
    DepartmentLocation TEXT NOT NULL ,
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```
DepartmentStartDate TEXT NOT NULL ,

PRIMARY KEY (DepartmentID)
);
```

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```
CREATE TABLE Employee (
    EmployeeID INTEGER NOT NULL ,
    EmployeeName TEXT NOT NULL ,
    EmployeeDepartment INTEGER NOT NULL ,
    EmployeeEmail TEXT NOT NULL ,
    EmployeeUserName TEXT NOT NULL ,
    EmployeePassword TEXT NOT NULL ,
    EmployeeGender TEXT NOT NULL ,
    EmployeeAge TEXT NOT NULL ,
    EmployeeNationalID TEXT NOT NULL ,
    EmployeePhoneNumber TEXT NOT NULL ,
    EmployeeCountry TEXT NOT NULL ,
    EmployeeCity TEXT NOT NULL ,
    EmployeeAddress TEXT NOT NULL ,
    EmployeeNationality TEXT NOT NULL ,
    EmployeeSalary TEXT NOT NULL ,
    EmployeeBankingInforamtion TEXT NOT NULL ,
    EmployeeGraduationState TEXT NOT NULL ,

    PRIMARY KEY (EmployeeID),
    FOREIGN KEY (EmployeeDepartment) REFERENCES Department(DepartmentID) ON DELETE CASCADE ON UPDATE CASCADE ,
);
```

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```
CREATE TABLE Rent (
    RentID INTEGER NOT NULL ,
    BorrowerID INTEGER NOT NULL ,
    CarID INTEGER NOT NULL ,
    Duration INTEGER NOT NULL ,
    RentalDate DATE NOT NULL ,
    PaymentMethod TEXT NOT NULL ,

    PRIMARY KEY (RentID) ,
    FOREIGN KEY (BorrowerID) REFERENCES Borrower(BorrowerID) ON DELETE CASCADE ON UPDATE CASCADE ,
    FOREIGN KEY (CarID ) REFERENCES Car(CarID) ON DELETE CASCADE ON UPDATE CASCADE ,
);
```

=====

```
CREATE TABLE WorksOn (
    DepartmentID INTEGER NOT NULL ,
```

```
CarID INTEGER NOT NULL ,

PRIMARY KEY (DepartmentID , CarID) ,
FOREIGN KEY (DepartmentID) REFERENCES Department(DepartmentID) ON DELETE CASCADE ON UPDATE CASCADE ,
FOREIGN KEY (CarID) REFERENCES Car(CarID) ON DELETE CASCADE ON UPDATE CASCADE ,
);
```

=====

```
CREATE TABLE Manage (
    DepartmentID INTEGER NOT NULL ,
    EmployeeID INTEGER NOT NULL ,
    EmployeeName TEXT NOT NULL ,
    DepartmentName TEXT NOT NULL ,

    PRIMARY KEY (DepartmentID , EmployeeID) ,
    FOREIGN KEY (DepartmentID) REFERENCES Department(DepartmentID),
    FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID) ,
);
```

=====

```
CREATE TABLE Worksin (
    DepartmentID INTEGER NOT NULL ,
    EmployeeID INTEGER NOT NULL ,
    EmployeeName TEXT NOT NULL ,
    DepartmentName TEXT NOT NULL ,
    HireDate TEXT NOT NULL ,

    PRIMARY KEY (DepartmentID , EmployeeID) ,
    FOREIGN KEY (DepartmentID) REFERENCES Department(DepartmentID),
    FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID) ,
);
```