



American International University - Bangladesh

Project Name: Car Ride Hailing Management System

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Course Name: Introduction to Database

Section: L

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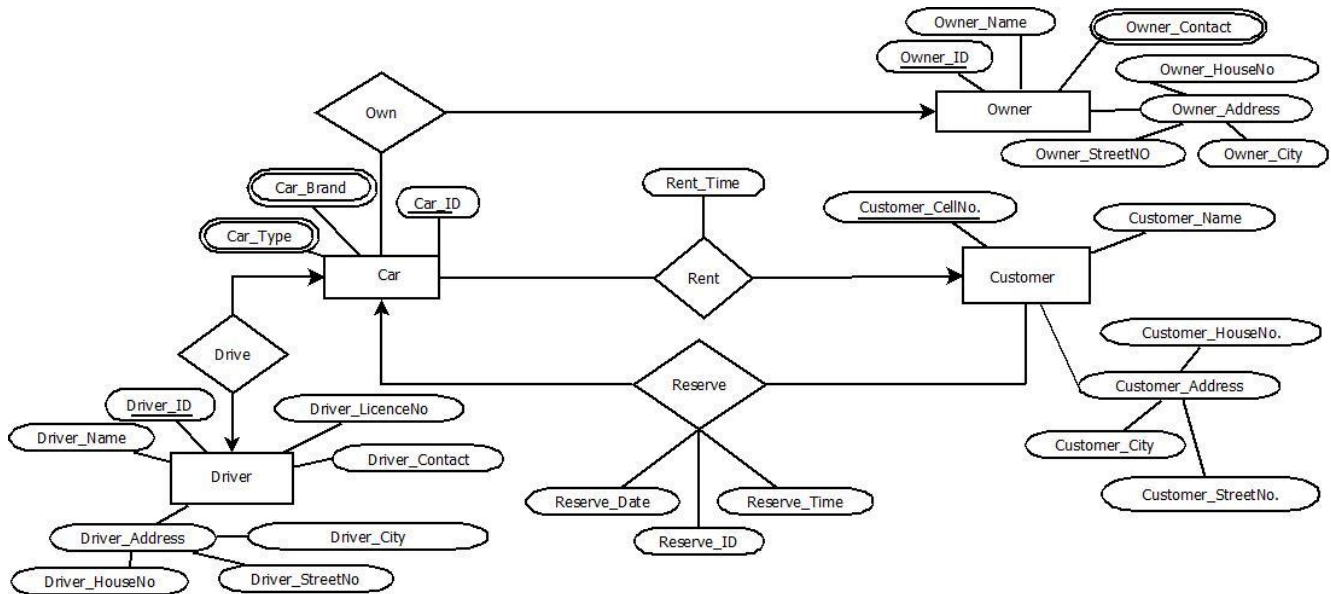
Introduction

The project entitled as “CAR RIDE HAILING MANAGEMENT SYSTEM” is mainly developed for the overall management of the ‘Car Ride Hailing’. The project is helpful to manage all the information of Owners, Cars, Drivers and Customers. In our Database System We can add customer information as well as drivers and cars also. The database is also helpful for store the information of the different types of Cars for reservation. Customer can also rent a car. This application is created for easy and quick processing to find a car, driver details and customer details. Anyone can easily use our system. We can find which driver or which car was involved with reservation or renting.

Scenario Description

In a car ride hailing management system a customer may rent many cars. One car may be rented by exactly one customer. A customer is identified by a Customer cell number. The system also stores customer name, address. A customer address is composed of house number, street number and city. A car is identified by car id. Car brand and car type are also stored. There may be multiple brand and type of a car. While renting, the time of the renting of the car is stored. A customer may also reserve a car. A car can be reserved by many customers. To find the priority of the reservation the reserve id, reserve date, reserve time are also stored. A car is owned by at least one owner. An owner may own many cars but the system stores information of those owners of who has owned at least one car stored in the system. To identify an owner, the system stores owner id. It also stores owner name, contact and address. An owner address is composed of house number, street number and city. A driver may drive a car. A driver is identified by driver id. The system also stores driver name, contact, license number and address. A driver address is composed of house number, street number and city.

ER Diagram



Normalization

Rent:

UNF

Rent (Car_ID, Car_Brand, Car_Type, Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City, Rent_Time)

1NF

Car_Brand, Car_Type are multivalued attributes.

1. Car_ID, Car_Brand, Car_Type, Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City, Rent_Time

2NF

1. Car_ID, Car_Brand, Car_Type
2. Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City
3. Rent_Time

3NF

1. Car_ID, Car_Brand, Car_Type,
2. Customer_CellNo., Customer_Name
3. Customer_HouseNo, Customer_StreetNo, Customer_City
4. Rent_Time

Table Creation

1. Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo.
2. Customer_CellNo., Customer_Name, CustomerAdd_ID,
3. CustomerAdd_ID, Customer_HouseNo, Customer_StreetNo, Customer_City
4. Car_ID, Customer_CellNo., Rent_Time

Own:

UNF:

Own (Car_ID, Car_Brand, Car_Type, Owner_ID, Owner_name, Owner_Contact, Owner_HouseNo, Owner_StreetNo, Owner_City)

1NF

Car_Brand, Car_Type, Owner_contact are multivalued attributes.

1. Car_ID, Car_Brand, Car_Type, Owner_ID, Owner_name, Owner_Contact, Owner_HouseNo, Owner_StreetNo, Owner_City

2NF

1. Car_ID, Car_Brand, Car_Type
2. Owner_ID, Owner_name, Owner_Contact, Owner_HouseNo, Owner_StreetNo, Owner_City

3NF

1. Car_ID, Car_Brand, Car_Type
2. Owner_ID, Owner_name, Owner_Contact
3. Owner_HouseNo, Owner_StreetNo, Owner_City

Table Creation

1. Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Owner_ID
2. Owner_ID, Owner_name, Owner_Contact, OwnerAdd_ID
3. OwnerAdd_ID, Owner_HouseNo, Owner_StreetNo, Owner_City

Reserve:UNF

Reserve (Car_ID, Car_Brand, Car_Type, Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City, Reserve_date, Reserve_ID, Reserve_Time)

1NF

Car_Brand, Car_Type are multivalued attributes.

1. Car_ID, Car_Brand, Car_Type, Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City, Rent_Time

2NF

1. Car_ID, Car_Brand, Car_Type

2. Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City

3. Reserve_date, Reserve_ID, Reserve_Time

3NF

1. Car_ID, Car_Brand, Car_Type,

2. Customer_CellNo., Customer_Name, Customer_HouseNo, Customer_StreetNo, Customer_City

3. Reserve_date, Reserve_ID, Reserve_Time

Table Creation

1. Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo.

2. Customer_CellNo., Customer_Name, CustomerAdd_ID

3. CustomerAdd_ID, Customer_HouseNo, Customer_StreetNo, Customer_City

4. Car_ID, Customer_CellNo., Reserve_date, Reserve_ID, Reserve_Time

Drive:UNF

Drive (Car_ID, Car_Brand, Car_Type, Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, Driver_HouseNo, Driver_StreetNo, Driver_City)

1NF

Car_Brand, Car_Type are multi valued attribute.

Car_ID, Car_Brand, Car_Type, Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, Driver_HouseNo, Driver_StreetNo, Driver_City

2NF

1. Car_ID, Car_Brand, Car_Type

2. Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, Driver_HouseNo, Driver_StreetNo, Driver_City

3NF

1. Car_ID, Car_Brand, Car_Type,

2. Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact

3. Driver_HouseNo, Driver_StreetNo, Driver_City

Table Creation

1. Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Driver_ID.

2. Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID

3. DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City

Temporary Tables

1. Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, **Customer_CellNo.**
2. ~~Customer_CellNo.~~, Customer_Name, **CustomerAdd_ID**
3. CustomerAdd_ID, Customer_HouseNo, Customer_StreetNo, Customer_City
4. **Car_ID, Customer_CellNo.**, Rent_Time
5. ~~Car_ID~~, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, **Owner_ID**
6. Owner_ID, Owner_name, Owner_Contact, **OwnerAdd_ID**
7. OwnerAdd_ID, Owner_HouseNo, Owner_StreetNo, Owner_City
8. ~~Car_ID~~, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, **Customer_CellNo.**
9. Customer_CellNo., Customer_Name, **CustomerAdd_ID**
10. ~~CustomerAdd_ID~~, ~~Customer_HouseNo~~, ~~Customer_StreetNo~~, ~~Customer_City~~
11. **Car_ID, Customer_CellNo.**, Reserve_date, Reserve_ID, Reserve_Time
12. ~~Car_ID~~, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, **Driver_ID.**
13. Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, **DriverAdd_ID**
14. DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City

Final Tables

1. Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, **Customer_CellNo.**, **Owner_ID**, **Driver_ID**.
2. CustomerAdd_ID, Customer_HouseNo, Customer_StreetNo, Customer_City
3. **Car_ID, Customer_CellNo.**, Rent_Time
4. Owner_ID, Owner_name, Owner_Contact, **OwnerAdd_ID**
5. OwnerAdd_ID, Owner_HouseNo, Owner_StreetNo, Owner_City
6. Customer_CellNo., Customer_Name, **CustomerAdd_ID**
7. **Car_ID, Customer_CellNo.**, Reserve_date, Reserve_ID, Reserve_Time
8. Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, **DriverAdd_ID**
9. DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City

Schema Diagram

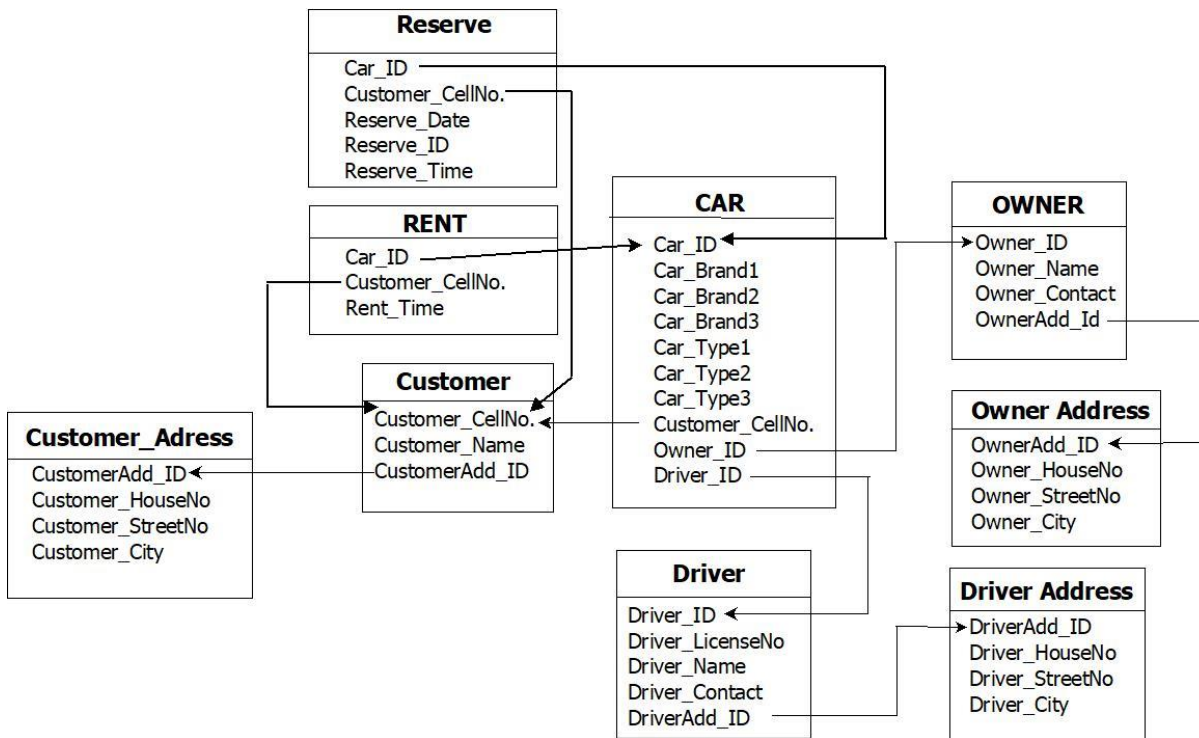


Table Creation

1. CREATE USER CHOLO IDENTIFIED BY password;

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

CREATE USER CHOLO IDENTIFIED BY password;

Results Explain Describe Saved SQL History

User created.

0.27 seconds

2. GRANT CONNECT, RESOURCE, UNLIMITED TABLESPACE TO CHOLO;

User: SYSTEM

Home > SQL > SQL Commands

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GRANT CONNECT, RESOURCE, UNLIMITED TABLESPACE TO CHOLO;

Results Explain Describe Saved SQL History

Statement processed.

0.05 seconds

3. CREATE ROLE Owner;

User: SYSTEM

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

CREATE ROLE Owner;

Results Explain Describe Saved SQL History

Role created.

0.01 seconds

After Login into User ID CHOLO

4. CREATE TABLE Owner_Address(OwnerAdd_ID Number(10) PRIMARY KEY,
Owner_HouseNo Varchar2 (10),
Owner_StreetNo Varchar2(10),
Owner_City Varchar2 (10)
);

User: CHOLO

Home > SQL > SQL Commands

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```
CREATE TABLE Owner_Address(OwnerAdd_ID Number(10) PRIMARY KEY,
                             Owner_HouseNo Varchar2 (10),
                             Owner_StreetNo Varchar2(10),
                             Owner_City Varchar2 (10)
                             );
```

Results Explain Describe Saved SQL History

Object Type TABLE Object OWNER_ADDRESS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
OWNER_ADDRESS	OWNERADD_ID	Number	-	10	0	1	-	-	-
	OWNER_HOUSENO	Varchar2	10	-	-	-	✓	-	-
	OWNER_STREETNO	Varchar2	10	-	-	-	✓	-	-
	OWNER_CITY	Varchar2	10	-	-	-	✓	-	-
1 - 4									

5. CREATE TABLE Owner(Owner_ID Number(10) PRIMARY KEY,
 Owner_Name Varchar2 (20),
 Owner_Contact Number(20),
 OwnerAdd_ID Number (10),
 FOREIGN KEY (OwnerAdd_Id) REFERENCES
 Owner_Address(OwnerAdd_ID)
);

User: CHOLO

Home > SQL > SQL Commands

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```
CREATE TABLE Owner(Owner_ID Number(10) PRIMARY KEY,
                    Owner_Name Varchar2 (20),
                    Owner_Contact Number(20),
                    OwnerAdd_ID Number (10),
                    FOREIGN KEY (OwnerAdd_Id) REFERENCES
                    Owner_Address(OwnerAdd_ID)
                    );
Describe Owner;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object OWNER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
OWNER	OWNER_ID	Number	-	10	0	1	-	-	-
	OWNER_NAME	Varchar2	20	-	-	-	✓	-	-
	OWNER_CONTACT	Number	-	20	0	-	✓	-	-
	OWNERADD_ID	Number	-	10	0	-	✓	-	-
1 - 4									

6. CREATE TABLE Driver_Address(DriverAdd_ID Number(10) PRIMARY KEY,
 Driver_HouseNo Varchar2 (10),
 Driver_StreetNo Varchar2(10),
 Driver_City Varchar2 (10)
);

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
CREATE TABLE Driver_Address(DriverAdd_ID Number(10) PRIMARY KEY,
                             Driver_HouseNo Varchar2 (10),
                             Driver_StreetNo Varchar2(10),
                             Driver_City Varchar2 (10)
                             );

Describe Driver_Address;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DRIVER_ADDRESS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DRIVER_ADDRESS	DRIVERADD_ID	Number	-	10	0	1	-	-	-
	DRIVER_HOUSENO	Varchar2	10	-	-	-	✓	-	-
	DRIVER_STREETNO	Varchar2	10	-	-	-	✓	-	-
	DRIVER_CITY	Varchar2	10	-	-	-	✓	-	-

1 - 4

7. CREATE TABLE Driver(Driver_ID Number(10) PRIMARY KEY,
 Driver_LicenseNo Varchar2 (20),
 Driver_Name Varchar2(20),
 Driver_Contact Number (20),
 DriverAdd_ID Number (10),
 FOREIGN KEY (DriverAdd_ID) REFERENCES Driver_Address(DriverAdd_ID)
);

User: CHOLO

Home > SQL > SQL Commands

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```
CREATE TABLE Driver(Driver_ID Number(10) PRIMARY KEY,
                     Driver_LicenseNo Varchar2 (20),
                     Driver_Name Varchar2(20),
                     Driver_Contact Number (20),
                     DriverAdd_ID Number (10),
                     FOREIGN KEY (DriverAdd_ID) REFERENCES Driver_Address(DriverAdd_ID)
                     );

Describe Driver;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object DRIVER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DRIVER	DRIVER_ID	Number	-	10	0	1	-	-	-
	DRIVER_LICENSENO	Varchar2	20	-	-	-	✓	-	-
	DRIVER_NAME	Varchar2	20	-	-	-	✓	-	-
	DRIVER_CONTACT	Number	-	20	0	-	✓	-	-
	DRIVERADD_ID	Number	-	10	0	-	✓	-	-

1 - 5

8. CREATE TABLE Customer_Address(CustomerAdd_ID Number(10) PRIMARY KEY,
 Customer_HouseNo Varchar2 (20),
 Customer_StreetNo Varchar2(20),
 Customer_City Varchar2 (20)
);

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
CREATE TABLE Customer_Address (CustomerAdd_ID Number(10) PRIMARY KEY,
                                Customer_HouseNo Varchar2 (20),
                                Customer_StreetNo Varchar2(20),
                                Customer_City Varchar2 (20)
                                );

Describe Customer_Address;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUSTOMER_ADDRESS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER_ADDRESS	CUSTOMERADD_ID	Number	-	10	0	1	-	-	-
	CUSTOMER_HOUSENO	Varchar2	20	-	-	-	✓	-	-
	CUSTOMER_STREETNO	Varchar2	20	-	-	-	✓	-	-
	CUSTOMER_CITY	Varchar2	20	-	-	-	✓	-	-

1 - 4

9. CREATE TABLE Customer (Customer_CellNo Number(20) PRIMARY KEY,
 Customer_Name Varchar2 (20),
 CustomerAdd_ID Number(10),
 FOREIGN KEY (CustomerAdd_ID) REFERENCES
 Customer_Address (CustomerAdd_ID)
);

User: CHOLO

Home > SQL > SQL Commands

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```
CREATE TABLE Customer (Customer_CellNo Number(20) PRIMARY KEY,
                        Customer_Name Varchar2 (20),
                        CustomerAdd_ID Number(10),
                        FOREIGN KEY (CustomerAdd_ID) REFERENCES
                        Customer_Address (CustomerAdd_ID)
                        );

Describe Customer;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CUSTOMER

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER	CUSTOMER_CELLNO	Number	-	20	0	1	-	-	-
	CUSTOMER_NAME	Varchar2	20	-	-	-	✓	-	-
	CUSTOMERADD_ID	Number	-	10	0	-	✓	-	-

1 - 3

10. CREATE TABLE Car (Car_ID Number(10) PRIMARY KEY,
 Car_Brand1 Varchar2 (10),
 Car_Brand2 Varchar2 (10),
 Car_Brand3 Varchar2 (10),
 Car_Type1 Varchar2 (10),
 Car_Type2 Varchar2 (10),
 Car_Type3 Varchar2 (10),
 Customer_CellNo Number (20),
 Owner_ID Number(10),
 Driver_ID Number(10),
 FOREIGN KEY (Customer_CellNo) REFERENCES Customer (Customer_CellNo),
 FOREIGN KEY (Owner_ID) REFERENCES Owner (Owner_ID),
 FOREIGN KEY (Driver_ID) REFERENCES Driver (Driver_ID)
);
 ALTER TABLE Car MODIFY (Car_Brand1 not null);
 ALTER TABLE Car MODIFY (Car_Type1 not null);

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
CREATE TABLE Car(Car_ID Number(10) PRIMARY KEY,
Car_Brand1 Varchar2 (10),
Car_Brand2 Varchar2 (10),
Car_Brand3 Varchar2 (10),
Car_Type1 Varchar2 (10),
Car_Type2 Varchar2 (10),
Car_Type3 Varchar2 (10),
Customer_CellNo Number (20),
Owner_ID Number(10),
Driver_ID Number(10),
FOREIGN KEY (Customer_CellNo) REFERENCES Customer(Customer_CellNo),
FOREIGN KEY (Owner_ID) REFERENCES Owner(Owner_ID),
FOREIGN KEY (Driver_ID) REFERENCES Driver(Driver_ID)
);
ALTER TABLE Car MODIFY (Car_Brand1 not null);
ALTER TABLE Car MODIFY (Car_Type1 not null);

Describe Car;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object CAR

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CAR	CAR_ID	Number	-	10	0	1	-	-	-
	CAR_BRAND1	Varchar2	10	-	-	-	-	-	-
	CAR_BRAND2	Varchar2	10	-	-	-	✓	-	-
	CAR_BRAND3	Varchar2	10	-	-	-	✓	-	-
	CAR_TYPE1	Varchar2	10	-	-	-	-	-	-
	CAR_TYPE2	Varchar2	10	-	-	-	✓	-	-
	CAR_TYPE3	Varchar2	10	-	-	-	✓	-	-
	CUSTOMER_CELLNO	Number	-	20	0	-	✓	-	-
	OWNER_ID	Number	-	10	0	-	✓	-	-
	DRIVER_ID	Number	-	10	0	-	✓	-	-

1 - 10

11. CREATE TABLE Rent (Car_ID number(10),
FOREIGN KEY (Car_ID) REFERENCES Car(Car_ID),
Customer_CellNo number(20),
FOREIGN KEY (Customer_CellNo) REFERENCES Customer(Customer_CellNo),
Rent_Time Varchar(10)
);

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
CREATE TABLE Rent (Car_ID number(10),
FOREIGN KEY (Car_ID) REFERENCES Car(Car_ID),
Customer_CellNo number(20),
FOREIGN KEY (Customer_CellNo) REFERENCES
Customer(Customer_CellNo),
Rent_Time Varchar(10)
);
Describe Rent;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object RENT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable
RENT	CAR_ID	Number	-	10	0	-	✓
	CUSTOMER_CELLNO	Number	-	20	0	-	✓
	RENT_TIME	Varchar2	10	-	-	-	✓

```

12. CREATE TABLE Reserve (Car_ID Number(10),
    FOREIGN KEY (Car_ID) REFERENCES Car(Car_ID),
    Customer_CellNo Number(20),
    FOREIGN KEY (Customer_CellNo) REFERENCES Customer(Customer_CellNo),
    Reserve_Date Date,
    Reserve_ID Number(10),
    Reserve_Time varchar(10)
);

```

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```

CREATE TABLE Reserve (Car_ID Number(10),
    FOREIGN KEY (Car_ID) REFERENCES Car(Car_ID),
    Customer_CellNo Number(20),
    FOREIGN KEY (Customer_CellNo) REFERENCES
Customer(Customer_CellNo),
    Reserve_Date Date,
    Reserve_ID Number(10),
    Reserve_Time varchar(10)
);
Describe Rent;

```

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

Object Type **TABLE** Object **RENT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable
RENT	CAR_ID	Number	-	10	0	-	✓
	CUSTOMER_CELLNO	Number	-	20	0	-	✓
	RENT_TIME	Varchar2	10	-	-	-	✓

Create Sequence

1. CREATE SEQUENCE Owner_Owner_ID
INCREMENT BY 1
START WITH 1
MAXVALUE 500
NOCACHE
NOCYCLE;
2. CREATE SEQUENCE Owner_Address_OwnerAdd_ID
INCREMENT BY 1
START WITH 1
MAXVALUE 500
NOCACHE
NOCYCLE;
3. CREATE SEQUENCE Driver_Driver_ID
INCREMENT BY 1
START WITH 1
MAXVALUE 500
NOCACHE
NOCYCLE;
4. CREATE SEQUENCE Driver_DriverAdd_ID
INCREMENT BY 1
START WITH 1
MAXVALUE 600
NOCACHE
NOCYCLE;
5. CREATE SEQUENCE Car_Car_ID
INCREMENT BY 1
START WITH 1
MAXVALUE 1000
NOCACHE
NOCYCLE;

Data Insertion

1. Owner_Address

```
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H12','Mirpur 10','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H10','Mirpur 14','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H105','Uttara 13','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H123','Mirpur 12','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H193','Badda 7C','Dhaka');
```

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H12','Mirpur 10','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H10','Mirpur 14','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H105','Uttara 13','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H123','Mirpur 12','Dhaka');
INSERT INTO Owner_Address(OwnerAdd_ID,Owner_HouseNo,Owner_StreetNo,Owner_City) VALUES
(Owner_Address_OwnerAdd_ID.NEXTVAL,'H193','Badda 7C','Dhaka');
```

SELECT * FROM Owner_Address;

Results Explain Describe Saved SQL History

OWNERADD_ID	OWNER_HOUSENO	OWNER_STREETNO	OWNER_CITY
1	H12	Mirpur 10	Dhaka
2	H10	Mirpur 14	Dhaka
3	H105	Uttara 13	Dhaka
4	H123	Mirpur 12	Dhaka
5	H193	Badda 7C	Dhaka

5 rows returned in 0.03 seconds [CSV Export](#)

2. Owner

```
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Nayef','8801734901212',1);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Anika','8801760533183',2);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Promi','8801845378914',3);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Rubina','8801356789435',4);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Ovi','8801612367834',5);
```

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```

INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Nayeef','8801734901212',1);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Anika','8801760533183',2);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Promi','8801845378914',3);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Rubina','8801356789435',4);
INSERT INTO Owner(Owner_ID,Owner_Name,Owner_Contact,OwnerAdd_ID) VALUES
(Owner_Owner_ID.NEXTVAL,'Ovi','8801612367834',5);

SELECT * FROM Owner;

```

Results Explain Describe Saved SQL History

OWNER_ID	OWNER_NAME	OWNER_CONTACT	OWNERADD_ID
1	Nayeef	8801734901212	1
2	Anika	8801760533183	2
3	Promi	8801845378914	3
4	Rubina	8801356789435	4
5	Ovi	8801612367834	5

5 rows returned in 0.00 seconds [CSV Export](#)

3. Driver_Address

```

INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#33','Mirpur 1','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#9','Mirpur 11','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#26','Khilgaon','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#26','Khilgaon','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#47','Badda 13','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#2','Uttara 11','Dhaka');

```

User: CHOLO

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☒ Autocommit Display 10 Save Run

```

INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#33','Mirpur 1','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#9','Mirpur 11','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#26','Khilgaon','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#26','Khilgaon','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#47','Badda 13','Dhaka');
INSERT INTO Driver_Address(DriverAdd_ID, Driver_HouseNo, Driver_StreetNo, Driver_City) VALUES
(Driver_DriverAdd_ID.NEXTVAL,'H#2','Uttara 11','Dhaka');

SELECT * FROM Driver_Address;

```

Results Explain Describe Saved SQL History

DRIVERADD_ID	DRIVER_HOUSENO	DRIVER_STREETNO	DRIVER_CITY
1	H#33	Mirpur 1	Dhaka
2	H#9	Mirpur 11	Dhaka
3	H#26	Khilgaon	Dhaka
4	H#26	Khilgaon	Dhaka
5	H#47	Badda 13	Dhaka
6	H#2	Uttara 11	Dhaka

6 rows returned in 0.00 seconds [CSV Export](#)

4. Driver

```

INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'N167T895','Abdur Rahim','8801690685435',1);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'G952K007','Liton Mia','8801883460013',2);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'L032P883','Abdullah','8801657893028',3);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'K472T335','Jamal Roshid','8801555389460',4);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'A364N893','Abdul Kader','8801485730489',5);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'S887H743','Arif Rahman','8801665209846',6);

```

User: CHOLO

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☒ Autocommit Display 10 Save Run

```

INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'N167T895','Abdur Rahim','8801690685435',1);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'G952K007','Liton Mia','8801883460013',2);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'L032P883','Abdullah','8801657893028',3);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'K472T335','Jamal Roshid','8801555389460',4);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'A364N893','Abdul Kader','8801485730489',5);
INSERT INTO Driver(Driver_ID, Driver_LicenseNo, Driver_Name, Driver_Contact, DriverAdd_ID) VALUES
(Driver_Driver_ID.NEXTVAL, 'S887H743','Arif Rahman','8801665209846',6);

SELECT * FROM Driver;

```

Results Explain Describe Saved SQL History

DRIVER_ID	DRIVER_LICENSENO	DRIVER_NAME	DRIVER_CONTACT	DRIVERADD_ID
1	N167T895	Abdur Rahim	8801690685435	1
2	G952K007	Liton Mia	8801883460013	2
3	L032P883	Abdullah	8801657893028	3
4	K472T335	Jamal Roshid	8801555389460	4
5	A364N893	Abdul Kader	8801485730489	5
6	S887H743	Arif Rahman	8801665209846	6

6 rows returned in 0.00 seconds [CSV Export](#)

5. Customer_Address

```

INSERT INTO Customer_Address VALUES(1, 'H#14','Uttara 11','Dhaka');
INSERT INTO Customer_Address VALUES(2, 'H#29','Khilgaon 2','Dhaka');
INSERT INTO Customer_Address VALUES(3, 'H#7','Banani 11','Dhaka');
INSERT INTO Customer_Address VALUES(4, 'H#13','Badda 5','Dhaka');
INSERT INTO Customer_Address VALUES(5, 'H#1','Rampura','Dhaka');

```

User: CHOLO

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```

INSERT INTO Customer_Address VALUES(1, 'H#14','Uttara 11','Dhaka');
INSERT INTO Customer_Address VALUES(2, 'H#29','Khilgaon 2','Dhaka');
INSERT INTO Customer_Address VALUES(3, 'H#7','Banani 11','Dhaka');
INSERT INTO Customer_Address VALUES(4, 'H#13','Badda 5','Dhaka');
INSERT INTO Customer_Address VALUES(5, 'H#1','Rampura','Dhaka');

SELECT * FROM Customer_Address;

```

Results Explain Describe Saved SQL History

CUSTOMERADD_ID	CUSTOMER_HOUSENO	CUSTOMER_STREETNO	CUSTOMER_CITY
1	H#14	Uttara 11	Dhaka
2	H#29	Khilgaon 2	Dhaka
3	H#7	Banani 11	Dhaka
4	H#13	Badda 5	Dhaka
5	H#1	Rampura	Dhaka

5 rows returned in 0.00 seconds [CSV Export](#)

6. Customer

```

INSERT INTO Customer VALUES(8801938476520, 'Nowfal',1);
INSERT INTO Customer VALUES(8801739283645, 'Ibtesum',2);
INSERT INTO Customer VALUES(8801628396678, 'Sadia',3);
INSERT INTO Customer VALUES(8801557344689, 'Reya',4);
INSERT INTO Customer VALUES(8801462236798, 'Washim',5);

```

User: CHOLO

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☒ Autocommit Display 10 Save Run

```

INSERT INTO Customer VALUES(8801938476520, 'Nowfal',1);
INSERT INTO Customer VALUES(8801739283645, 'Ibtesum',2);
INSERT INTO Customer VALUES(8801628396678, 'Sadia',3);
INSERT INTO Customer VALUES(8801557344689, 'Reya',4);
INSERT INTO Customer VALUES(8801462236798, 'Washim',5);

SELECT * FROM Customer;

```

Results Explain Describe Saved SQL History

CUSTOMER_CELLNO	CUSTOMER_NAME	CUSTOMERADD_ID
8801938476520	Nowfal	1
8801739283645	Ibtesum	2
8801628396678	Sadia	3
8801557344689	Reya	4
8801462236798	Washim	5

5 rows returned in 0.01 seconds [CSV Export](#)

7. Car

```
INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID) VALUES (Car_Car_ID.NEXTVAL, 'Axio', 'Premio', 'Corolla', 'Premium', 'Luxurious', 'Regular', 8801938476520, 1, 1);
```

```
INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID) VALUES (Car_Car_ID.NEXTVAL, 'BMW', 'Premio', 'XE Saloon', 'Luxurious', 'Premium', 'Regular', 8801739283645, 2, 2);
```

```
INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID) VALUES (Car_Car_ID.NEXTVAL, 'Mercedes', 'Allion', 'G-Corolla', 'Luxurious', 'Premium', 'Regular', 8801628396678, 3, 3);
```

```
INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID) VALUES (Car_Car_ID.NEXTVAL, 'Mercedes', 'Nissan', 'X-Corolla', 'Luxurious', 'Premium', 'Regular', 8801557344689, 4, 4);
```

```
INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID) VALUES (Car_Car_ID.NEXTVAL, 'Fielder', 'Civic', 'Probox', 'Premium', 'Luxurious', 'Regular', 8801462236798, 5, 5);
```

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☒ Autocommit Display 10 Save Run

```
INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID)
VALUES (Car_Car_ID.NEXTVAL, 'Axio', 'Premio', 'Corolla', 'Premium', 'Luxurious', 'Regular', 8801938476520, 1, 1);

INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID)
VALUES (Car_Car_ID.NEXTVAL, 'BMW', 'Premio', 'XE Saloon', 'Luxurious', 'Premium', 'Regular', 8801739283645, 2, 2);

INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID)
VALUES (Car_Car_ID.NEXTVAL, 'Mercedes', 'Allion', 'G-Corolla', 'Luxurious', 'Premium', 'Regular', 8801628396678, 3, 3);

INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID)
VALUES (Car_Car_ID.NEXTVAL, 'Mercedes', 'Nissan', 'X-Corolla', 'Luxurious', 'Premium', 'Regular', 8801557344689, 4, 4);

INSERT INTO Car(Car_ID, Car_Brand1, Car_Brand2, Car_Brand3, Car_Type1, Car_Type2, Car_Type3, Customer_CellNo, Owner_ID, Driver_ID)
VALUES (Car_Car_ID.NEXTVAL, 'Fielder', 'Civic', 'Probox', 'Premium', 'Luxurious', 'Regular', 8801462236798, 5, 5);

Select * from Car;
```

Results Explain Describe Saved SQL History

CAR_ID	CAR_BRAND1	CAR_BRAND2	CAR_BRAND3	CAR_TYPE1	CAR_TYPE2	CAR_TYPE3	CUSTOMER_CELLNO	OWNER_ID	DRIVER_ID
1	Axio	Premio	Corolla	Premium	Luxurious	Regular	8801938476520	1	1
2	BMW	Premio	XE Saloon	Luxurious	Premium	Regular	8801739283645	2	2
3	Mercedes	Allion	G-Corolla	Luxurious	Premium	Regular	8801628396678	3	3
4	Mercedes	Nissan	X-Corolla	Luxurious	Premium	Regular	8801557344689	4	4
5	Fielder	Civic	Probox	Premium	Luxurious	Regular	8801462236798	5	5

5 rows returned in 0.00 seconds [CSV Export](#)

8. Rent

```
INSERT INTO Rent VALUES(1, 8801938476520, '01:30 PM');
```

```
INSERT INTO Rent VALUES(2, 8801739283645, '12:30 PM');
```

```
INSERT INTO Rent VALUES(3, 8801628396678, '10:10 AM');
```

```
INSERT INTO Rent VALUES(4, 8801557344689, '04:15 PM');
```

```
INSERT INTO Rent VALUES(5, 8801462236798, '12:30 PM');
```

User: CHOLO

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☒ Autocommit Display 10 Save Run

```

INSERT INTO Rent VALUES(1, 8801938476520, '01:30 PM');
INSERT INTO Rent VALUES(2, 8801739283645, '12:30 PM');
INSERT INTO Rent VALUES(3, 8801628396678, '10:10 AM');
INSERT INTO Rent VALUES(4, 8801557344689, '04:15 PM');
INSERT INTO Rent VALUES(5, 8801462236798, '12:30 PM');

SELECT * FROM Rent;

```

Results Explain Describe Saved SQL History

CAR_ID	CUSTOMER_CELLNO	RENT_TIME
3	8801628396678	10:10 AM
1	8801938476520	01:30 PM
2	8801739283645	12:30 PM
4	8801557344689	04:15 PM
5	8801462236798	12:30 PM

5 rows returned in 0.00 seconds [CSV Export](#)

9. Reserve

```

INSERT INTO Reserve VALUES(1, 8801938476520, to_date('12-02-2021','dd-mm-yyyy'), 101, '01:30 PM');
INSERT INTO Reserve VALUES(2, 8801739283645, to_date('10-01-2021','dd-mm-yyyy'), 102, '10:45 PM');
INSERT INTO Reserve VALUES(3, 8801628396678, to_date('13-02-2021','dd-mm-yyyy'), 103, '04:55 AM');
INSERT INTO Reserve VALUES(4, 8801557344689, to_date('17-03-2021','dd-mm-yyyy'), 104, '08:35 PM');
INSERT INTO Reserve VALUES(5, 8801462236798, to_date('28-03-2021','dd-mm-yyyy'), 105, '11:00 PM');

```

User: CHOLO

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☒ Autocommit Display 10 Save Run

```

INSERT INTO Reserve VALUES(1, 8801938476520, to_date('12-02-2021','dd-mm-yyyy'), 101, '01:30 PM');
INSERT INTO Reserve VALUES(2, 8801739283645, to_date('10-01-2021','dd-mm-yyyy'), 102, '10:45 PM');
INSERT INTO Reserve VALUES(3, 8801628396678, to_date('13-02-2021','dd-mm-yyyy'), 103, '04:55 AM');
INSERT INTO Reserve VALUES(4, 8801557344689, to_date('17-03-2021','dd-mm-yyyy'), 104, '08:35 PM');
INSERT INTO Reserve VALUES(5, 8801462236798, to_date('28-03-2021','dd-mm-yyyy'), 105, '11:00 PM');

SELECT * FROM Reserve;

```

Results Explain Describe Saved SQL History

CAR_ID	CUSTOMER_CELLNO	RESERVE_DATE	RESERVE_ID	RESERVE_TIME
1	8801938476520	12-FEB-21	101	01:30 PM
2	8801739283645	10-JAN-21	102	10:45 PM
3	8801628396678	13-FEB-21	103	04:55 AM
4	8801557344689	17-MAR-21	104	08:35 PM
5	8801462236798	28-MAR-21	105	11:00 PM

5 rows returned in 0.00 seconds [CSV Export](#)

Query Writing

Subquery:

1. Display those Car ID and Reserve ID where Reserve ID is greater than 102

Ans: SELECT Reserve_ID, Car_ID FROM Reserve
WHERE Car_ID>(SELECT Car_ID FROM Reserve WHERE Reserve_ID=102);

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

Save

Run

```
SELECT Reserve_ID, Car_ID FROM Reserve WHERE Car_ID>(SELECT Car_ID FROM Reserve WHERE Reserve_ID=102);
```

Results Explain Describe Saved SQL History

RESERVE_ID	CAR_ID
103	3
104	4
105	5

3 rows returned in 0.00 seconds

[CSV Export](#)

2. Display the Car Brand1 and the Driver ID where Car Type1 is premium

Ans: SELECT Car_Brand1, Driver_ID FROM Car WHERE Car_Brand1 IN (SELECT
Car_Brand1 FROM Car WHERE Car_Type1='Premium');

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 ▼

Save

Run

```
SELECT Car_Brand1, Driver_ID FROM Car WHERE Car_Brand1 IN(SELECT  
Car_Brand1 FROM Car WHERE Car_Type1='Premium');
```

Results Explain Describe Saved SQL History

CAR_BRAND1	DRIVER_ID
Axio	1
Fielder	5

2 rows returned in 0.01 seconds

[CSV Export](#)

Joining:

1. Write a query to display Driver name, Car Type1 and Car Brand1 for all drivers.

Ans: SELECT d.Driver_Name, c.Car_Type1, c.Car_Brand1
FROM Driver d, Car c
WHERE d.Driver_ID=c.Driver_ID;

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10

```
SELECT d.Driver_Name, c.Car_type1, c.Car_Brand1
FROM Driver d, Car c
WHERE d.Driver_ID=c.Driver_ID;
```

Results Explain Describe Saved SQL History

DRIVER_NAME	CAR_TYPE1	CAR_BRAND1
Abdur Rahim	Premium	Axio
Liton Mia	Luxurious	BMW
Abdullah	Luxurious	Mercedes
Jamal Roshid	Luxurious	Mercedes
Abdul Kader	Premium	Fielder

5 rows returned in 0.00 seconds

[CSV Export](#)

2. Display all the Driver name, Driver LicenseNo and their car ID. Make sure that the drivers that is not assigned with a car are also displayed.

Ans: SELECT d.Driver_Name, d.Driver_LicenseNo, c.Car_ID
From Driver d, Car c
WHERE d.Driver_ID=c.Driver_ID(+);

User: CHOLO

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☒ Autocommit Display 10

```
SELECT d.Driver_Name, d.Driver_LicenseNo, c.Car_ID
FROM Driver d, Car c
WHERE d.Driver_ID=c.Driver_ID(+);
```

Results Explain Describe Saved SQL History

DRIVER_NAME	DRIVER_LICENSENO	CAR_ID
Abdur Rahim	N167T895	1
Liton Mia	G952K007	2
Abdullah	L032P883	3
Jamal Roshid	K472T335	4
Abdul Kader	A364N893	5
Arif Rahman	S887H743	-

6 rows returned in 0.02 seconds

[CSV Export](#)

View:

Grant Create View TO CHOLO; [System]

1. Create a view called CarView based on the Car_ID, Car_Brand1, Car_Type1, Customer_CellNo from Car table. Display the contents of carView.

Ans: CREATE VIEW CarView

AS SELECT Car_ID, Car_Brand1, Car_Type1, Customer_CellNo
FROM Car;

SELECT * FROM CarView;

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
CREATE VIEW CarView
AS SELECT Car_ID, Car_Brand1, Car_Type1, Customer_CellNo
FROM Car;
SELECT * FROM CarView;
```

Results Explain Describe Saved SQL History

CAR_ID	CAR_BRAND1	CAR_TYPE1	CUSTOMER_CELLNO
1	Axio	Premium	8801938476520
2	BMW	Luxurious	8801739283645
3	Mercedes	Luxurious	8801628396678
4	Mercedes	Luxurious	8801557344689
5	Fielder	Premium	8801462236798

5 rows returned in 0.02 seconds [CSV Export](#)

2. Write a query to display Car ID, Car Brand1, Car Type1 and Customer CellNo where Car Type1 is Luxurious from Car Table.

Ans: SELECT Car_ID, Car_Brand1, Car_Type1, Customer_CellNo

FROM CarView

WHERE Car_Type1='Luxurious';

User: CHOLO

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save Run

```
SELECT Car_ID, Car_Brand1, Car_Type1, Customer_CellNo
FROM CarView
WHERE Car_Type1='Luxurious';
```

Results Explain Describe Saved SQL History

CAR_ID	CAR_BRAND1	CAR_TYPE1	CUSTOMER_CELLNO
2	BMW	Luxurious	8801739283645
3	Mercedes	Luxurious	8801628396678
4	Mercedes	Luxurious	8801557344689

3 rows returned in 0.00 seconds [CSV Export](#)

Relational Algebra

1. Find the Car ID whose customer CellNo is “8801557344689” from the Car Table

$\Pi_{\text{Car_ID}} (\sigma_{\text{Customer_CellNo} = \text{“8801557344689”}} (\text{Car}))$

2. Find the driver name and contact whose License NO is “G952K007” from the Driver Table

$\Pi_{\text{Driver_Name, Driver_Contact}} (\sigma_{\text{Driver_LicenseNo} = \text{“G952K007”}} (\text{Driver}))$

3. Find the Customer CellNo who reserved on 12 FEB 2021 from Reserve table

$\Pi_{\text{Customer_CellNo}} (\sigma_{\text{Reserve_Date} = \text{“12-02-2021”}} (\text{Reserve}))$

4. Find the Rent Time whose Car ID is 4 from Rent table

$\Pi_{\text{Rent_Time}} (\sigma_{\text{Car_ID} = 4} (\text{Rent}))$

5. Find the Owner Name and Owner ID whose Contact No is 8801612367834 from Owner Table

$\Pi_{\text{Owner_Name, Owner_ID}} (\sigma_{\text{Owner_Contact} = \text{“8801612367834”}} (\text{Owner}))$

Conclusion

After the efforts by all our group members we created our database management project “Car Ride Hailing Management System”. Initially we faced some problems for example we faced problems doing normalization, creating tables according to the schema and in creating view but finally we were able to overcome those problems efficiently. Hopefully in future we will work to use our database system to work for the whole country not only in Dhaka city. We will also add the fare of the renting of a car it will be better to operate. We have also made a plan to add the salary for the drivers so that it will be easier to sort the drivers according salaries and also experience. Because of insufficient advanced Database knowledge, we couldn't add advance features. We hope in future we will be able to do that.