**Assignment 2 : Write an SQL query in car rental?**

Create database carrental;

make VARCHAR(50) NOT NULL,

model VARCHAR(50) NOT NULL, Use carrental;

CREATE TABLE Customers (

customer\_id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(100) NOT NULL,

address VARCHAR(255),

phone VARCHAR(15),

email VARCHAR(100) UNIQUE

);

CREATE TABLE Cars (

car\_id INT PRIMARY KEY AUTO\_INCREMENT

year INT NOT NULL,

status ENUM('available', 'rented', 'maintenance') NOT NULL,

location\_id INT,

FOREIGN KEY (location\_id) REFERENCES Locations(location\_id)

);

CREATE TABLE Rentals (

rental\_id INT PRIMARY KEY AUTO\_INCREMENT,

car\_id INT NOT NULL,

customer\_id INT NOT NULL,

rental\_date DATE NOT NULL,

return\_date DATE,

status ENUM('ongoing', 'completed', 'canceled') NOT NULL,

FOREIGN KEY (car\_id) REFERENCES Cars(car\_id),

FOREIGN KEY (customer\_id) REFERENCES Customers(customer\_id)

);

CREATE TABLE Locations (

location\_id INT PRIMARY KEY AUTO\_INCREMENT,

address VARCHAR(255) NOT NULL,

city VARCHAR(50) NOT NULL,

state VARCHAR(50) NOT NULL,

zip\_code VARCHAR(10) NOT NULL

);

CREATE TABLE Payments (

payment\_id INT PRIMARY KEY AUTO\_INCREMENT,

rental\_id INT NOT NULL,

amount DECIMAL(10, 2) NOT NULL,

payment\_date DATE NOT NULL,

payment\_method ENUM('cash', 'credit\_card', 'debit\_card', 'paypal') NOT NULL,

FOREIGN KEY (rental\_id) REFERENCES Rentals(rental\_id)

);

INSERT INTO Locations (address, city, state, zip\_code) VALUES

('123 Main St', 'Hyderabad', 'IL', '62701'),

('456 Elm St', 'Bangalore', 'IL', '62702');

INSERT INTO Customers (name, address, phone, email) VALUES

('Chandu', '789 Oak St, Springfield, IL 62703', '555-1234', 'alice@example.com'),

('Chandana', '101 Pine St, Shelbyville, IL 62704', '555-5678', 'bob@example.com');

INSERT INTO Cars (make, model, year, status, location\_id) VALUES

('Toyota', 'Camry', 2020, 'available', 1),

('Honda', 'Civic', 2019, 'maintenance', 2);

INSERT INTO Rentals (car\_id, customer\_id, rental\_date, status) VALUES

(1, 1, '2024-06-01', 'ongoing');

INSERT INTO Payments (rental\_id, amount, payment\_date, payment\_method) VALUES

(1, 100.00, '2024-06-01', 'credit\_card');

drop database car\_rental;

select \* From Cars;