public class TestCar {

public static void main(String[] args) {

Car car = new Car("ABC123", "Toyota Camry");

assert car.getLicensePlate().equals("ABC123");

assert car.getModel().equals("Toyota Camry");

assert !car.isRented();

car.rent();

assert car.isRented();

car.returnCar();

assert !car.isRented();

System.out.println("All Car tests passed.");

}

}

public class TestCustomer {

public static void main(String[] args) {

Customer customer = new Customer("1", "John Doe");

assert customer.getId().equals("1");

assert customer.getName().equals("John Doe");

System.out.println("All Customer tests passed.");

}

}

public class TestRentalAgency {

public static void main(String[] args) {

RentalAgency agency = new RentalAgency();

Car car1 = new Car("ABC123", "Toyota Camry");

Car car2 = new Car("XYZ789", "Honda Accord");

Customer customer1 = new Customer("1", "John Doe");

Customer customer2 = new Customer("2", "Jane Doe");

agency.addCar(car1);

agency.addCar(car2);

agency.addCustomer(customer1);

agency.addCustomer(customer2);

assert agency.findCarByLicensePlate("ABC123").equals(car1);

assert agency.findCustomerById("1").equals(customer1);

assert agency.rentCar("ABC123", "1");

assert car1.isRented();

assert !agency.rentCar("ABC123", "2");

assert agency.returnCar("ABC123");

assert !car1.isRented();

System.out.println("All RentalAgency tests passed.");

}