Classes and Objects Problem Statements

Problem Statement 1: Bus Reservation System

Scenario:

Create a program to manage a **Bus Reservation System** for a private bus company. The company operates a bus with a limited number of seats (10 seats). The system should allow users to:

1. Open a **New Bus Route** with a specific bus name.
2. **Reserve a Seat** by entering the passenger's name and ticket price.
3. **Cancel a Seat** by entering the passenger's name.
4. **Display the Current Seat Reservation List**, showing passenger names and their ticket prices.
5. **Get the Ticket Price** by entering the passenger's name.

Problem Statement 2: College Course Management System

Scenario:

Develop a program to manage a **College Course Enrollment System**. Each department offers a limited number of courses (maximum 10 courses). Your system should provide the following features:

1. Open a **New Department** by entering its name.
2. **Add Courses** to the department by providing course names and their respective fees.
3. **Remove a Course** from the list by specifying the course name.
4. **Display All Available Courses** in the department along with their fees.
5. **Search for a Specific Course Fee** by entering the course name.