1. Employee Record System

Problem:

Create a program to store data for 10 employees. Each employee has:

- Employee ID
- Name
- Department
- Salary

Then:

- Allow the user to search by Employee ID or Department
- Print matching employee(s)

2. Student Grade Management

Problem:

Store records of students with:

- Roll No
- Name
- Marks in 3 subjects (use nested struct)
- Total
- Grade (assign grade: A, B, C, etc. based on total)

Allow:

- Display all students with Grade "A"
- Search by name

3. Hospital Patient Management System

Problem:

Each patient has:

- Patient ID
- Name
- Age

- Disease
- Admission Date (use nested struct)

Functions:

- Add patient data
- Search patients by disease
- List all patients above a certain age

4. Library Management System (Advanced)

Problem:

Each book has:

- Book ID
- Title
- Author
- Status (Available, Issued)

Allow:

- Display all available books
- Search by title
- Issue a book (change status to Issued)

5. Online Order Tracking System

Problem:

Each order has:

- Order ID
- Customer name
- Product name
- Quantity
- Date (nested struct)

Allow:

- Search orders by customer
- List all orders on a given date

- Calculate total items sold

6. Bank Account Management

Each customer has:

- Account Number
- Name
- Balance
- Account Type (Savings, Current)

Operations:

- Deposit/Withdraw
- Search by account number
- Display accounts with balance > 10,000

7. Flight Booking System

Each booking has:

- Ticket ID
- Passenger Name
- Destination
- Date of Flight
- Seat Class (Economy, Business)

Allow:

- Search bookings by destination
- Filter bookings by seat class

Bonus: Mini Project Idea

Student Result Portal
Build a full result system with:

- **Structs for student + nested subjects**
- **Calculate average, total, grade**
- **Allow searching, filtering, and sortin**