

Report card

Category | Evaluation

Code Structure: Clear modular design with functions like addStudent(), displayStudents(),searchStudent(),deleteStudent(),andupdateStudent(). Very organized and readable.

.Functionality: Basic student operations like adding, searching, updating, deleting, and displaying students work effectively.

Input Handling: Good handling overall, but slight improvement possible by using fgets instead of scanf to correctly handle spaces in inputs like names.

Error Handling: Basic error messages are provided (e.g., "Student not found"), but input validation (like checking valid year/semester ranges) can be added for robustness.

Memory Management: No dynamic memory (malloc/free) is used, so memory management concerns are minimal

.File Handling: No file operations (save/load data) included. Adding persistence would be a good enhancement.

Coding Style: Very readable variable names, consistent indentation, and separation of functionalities.

Efficiency: Efficient for a small number of students

.Expandability: Good base structure; can be expanded by adding sorting, file operations, etc

.Grade: A (Good Effort!)

Remarks: Code is functional, well-structured, and easy to understand. Minor improvements can make it even better

Strengths

- :- Good modular design.
- Covers all basic student management operations.
- Readable code with consistent formatting.

Areas to Improve:

- Use fgets for better input handling.
- Validate fields like year, semester, age, and marks.
- Implement file handling to save/load students.
- Add boundary checks for fields like marks.

Bonus Suggestions (Future Improvements):

- Save and load student data to/from a file.
- Sort students based on marks, name, or roll number.
- Display top performers.- Prevent duplicate roll numbers.- Add batch search or advanced filters.