## My Project

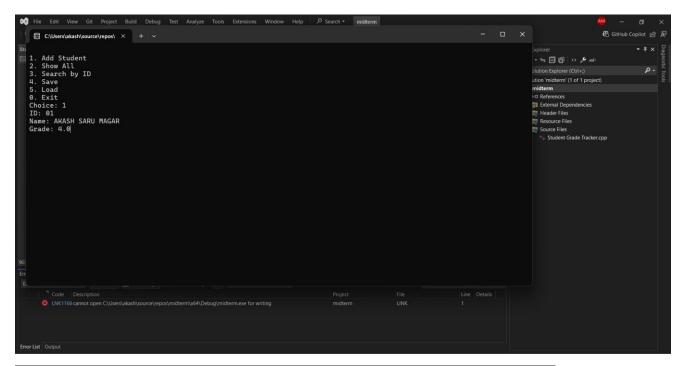
### Student Grade Tracker.

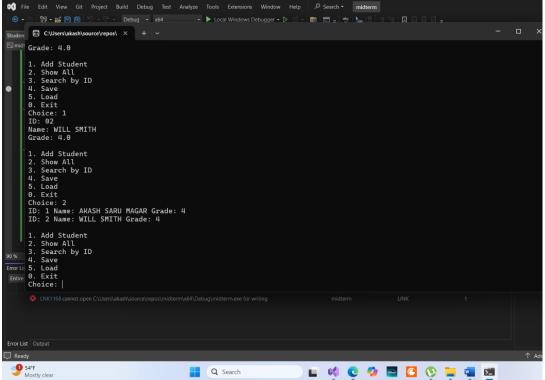
My project name is **Student Grade Tracker**. It can add student info (ID, name, grade). I can save students in .txt file. I can load students back. I can search student by ID using binary search. It shows all students.

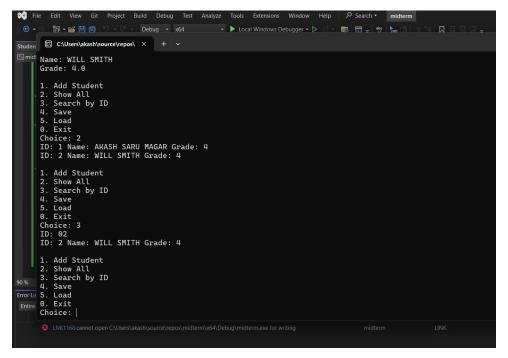
#### What I use

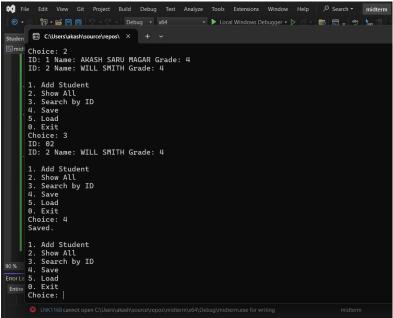
- int for ID
- · string for name
- float for grade
- Student class
- GradeBook class
- Pointer for dynamic array (Student\* students)
- Array to store students
- Binary search to find ID
- File I/O save/load .txt file

User add student  $\rightarrow$  give ID, name, grade Program store in array  $\rightarrow$  resize if full User can see all students User can search student by ID  $\rightarrow$  binary search Can save all to file students.txt Can load all back from file









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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help P Search*

The Search*

Compared to the
```

## **Problems**

I got error with pointer resize, I fix with new and delete[]. Binary search index mistake, I test with sorted IDs then fix. File not save first, I check file open.

# Done by

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