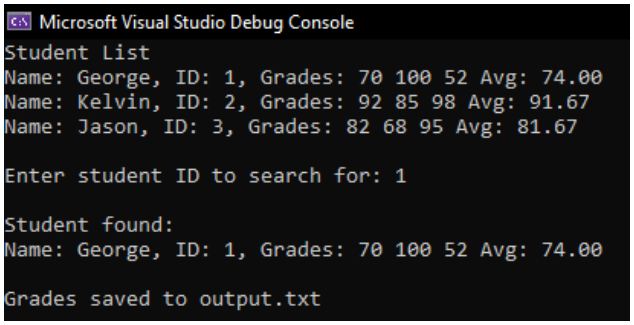
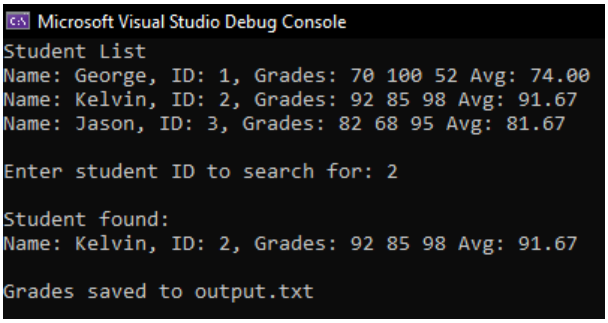
Project Description:
This program is a Student Grade Tracker. Built in C++, it loads student data taken from students.txt and displays all students and their respective grades. After prompting the user for a student id, the program uses binary search and calculates the average grade for that student and updates output.txt.

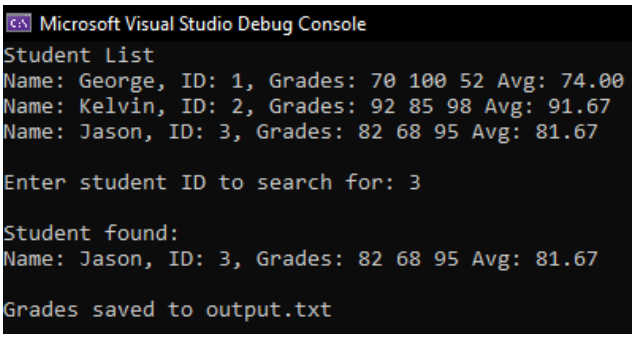
This project uses:

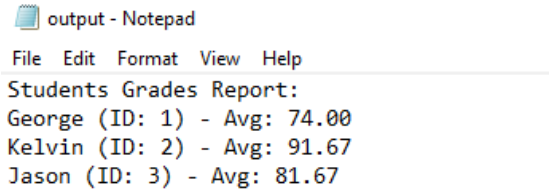
- Object-Oriented Programming
- Dynamic Memory
- Pointers
- Arrays
- Binary Search
- Strings
- File Input / Output (I/O)

Screenshots:









Challenges:

- Visual Studio organization → Used Solution Explorer in managing header and C++ files.
- Implementing binary search → Reviewed online resources and examples
- Code not compiling → Debugged diligently, reviewed syntax, and used comments to test certain areas