

### **Reflection Log: ReverseList Program**

The ReverseList program effectively showcases the use of a stack to reverse user input. By leveraging the LIFO (Last In, First Out) property of stacks, the program efficiently captures and displays numbers in reverse order. The use of a while loop to control input entry and a break condition (999) ensures the program is interactive and user-friendly.

I ensured my understanding of stack operations—push and pop—and how they manage data. During testing, I confirmed that the program limits input to 10 numbers, and it handles user errors or premature termination smoothly. The logic of reversing the list using a stack is clean and intuitive, which made the program straightforward to write and debug.

**Key Takeaway:** This program deepened my understanding of stacks and their applications, particularly how they simplify reversing data efficiently.