

Error Log for Task 2: ReverseList

Error 1: Invalid Input Handling for Non-Integer Values

- **Description:**
Initially, the program did not handle cases where the user entered non-integer values. This caused crashes or unpredictable behavior when such inputs were encountered.
- **Fix:**
 - Added input validation using `scanner.hasNextInt()`.
 - If a non-integer value was entered, the program rejected the input and prompted the user to re-enter a valid integer.
 - This ensured robust handling of user input, improving the program's stability.

Error 2: Mismanagement of Maximum Input Size (Stack Overflow)

- **Description:**
The program allowed users to input more than the intended limit of 10 numbers, risking stack overflow or unexpected behavior. Additionally, there was no mechanism to terminate input early.
- **Fix:**
 - Introduced a constant, `MAX_NUMBERS`, to cap the input limit at 10.
 - Implemented a sentinel value (999) to allow users to stop input early.
 - This ensured that the input was limited to a manageable size and avoided potential stack overflow.

By addressing these issues, the program is now more robust, user-friendly, and capable of handling edge cases effectively.