**Assignment Title**: Exploring Basic Data Types, File Operations, and Error Handling in C++

**Objective**:

1. Understand basic data types and their sizes in memory.
2. Perform file input/output operations.
3. Implement basic error handling techniques.

**Task**: Write a C++ program that performs the following:

1. **Data Type Sizes**:
   * Display the sizes (in bytes) of basic data types (e.g., int, float, double, char, bool) using the sizeof operator.
   * Print the results to the console.
2. **File Operations**:
   * Save result information to a text file named output.txt.
   * Read the saved information from output.txt and display it back to the user.
3. **Error Handling**:
   * Handle potential file opening/reading errors gracefully.