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• 4. File Stream Declaration
ifstream inputFile("filename");
ofstream outputFile("filename");
Purpose:
ifstream for reading from a file.
ofstream for writing to a file.
• 5. Check if File Opened Successfully
if (!fileStream.is_open()) {
 // handle error
Purpose: Ensures the file was successfully opened before proceeding.
• 6. Reading File Line by Line
while (getline(input_stream, string_variable)) {
 // use the line
Full General Syntax:
getline(input_stream, string_variable, delimiter_character);
input_stream: usually cin or ifstream
string_variable: the variable where the line is stored
delimiter_character (optional): character that ends the read (default is newline \n)
• 7. String Search
string_variable.find("some_text") != string::npos
Purpose: Checks if a substring exists in a string.
Returns position (index) of the first match, or string::npos if not found.
• 8. String Replace
string_variable.replace(start_index, length_to_replace, "new_text");
Purpose: Replaces part of a string.
start_index: where replacement starts.
length_to_replace: number of characters to replace.
"new_text": the new text to insert.
• 9. Get Last Character of a String
string_variable.back()
Purpose: Returns the last character of the string.

    10. Substring (Remove Last Character)

string_variable = string_variable.substr(0, string_variable.size() - 1);
Purpose: Removes last character (typically a semicolon in this code).
• 11. Writing to a File
outputFile << "some text" << endl;
Purpose: Writes data into a file stream with a newline at the end.

    12. Closing Files

inputFile.close();
outputFile.close();
Purpose: Closes the files after reading/writing to free up system resources.
• 13. Printing to Console
cout << "text to print" << endl;</pre>
```

Purpose: Outputs to terminal (standard output).