

```

1  #include <iostream>
2  #include <fstream>
3  #include <sstream>
4  #include <cctype>
5
6  void cleanSpaces(const std::string& inputFileName, const std::string& outputFileName) {
7      std::ifstream inputFile(inputFileName);
8      std::ofstream outputFile(outputFileName);
9
10     if (!inputFile.is_open() || !outputFile.is_open()) {
11         std::cerr << "Error opening file!" << std::endl;
12         return;
13     }
14
15     std::stringstream buffer;
16     buffer << inputFile.rdbuf(); // Read the whole file into the buffer
17
18     std::string content = buffer.str();
19     std::string cleanedContent;
20
21     bool inWhitespace = false;
22     for (char ch : content) {
23         if (isspace(static_cast<unsigned char>(ch))) {
24             if (!inWhitespace) {
25                 cleanedContent += ' ';
26                 inWhitespace = true;
27             }
28         } else {
29             cleanedContent += ch;
30             inWhitespace = false;
31         }
32     }
33
34     outputFile << cleanedContent;
35
36     inputFile.close();
37     outputFile.close();
38 }
39
40 int main() {
41     std::string inputFileName = "D:/B.E. CSE 23-27/1ST YEAR - SEMESTER 2/20CSG02 - PROGRAMMING IN C++
LABORATORY/Program Files/009/input.txt";
42     std::string outputFileName = "D:/B.E. CSE 23-27/1ST YEAR - SEMESTER 2/20CSG02 - PROGRAMMING IN C++
LABORATORY/Program Files/009/output.txt";
43
44     cleanSpaces(inputFileName, outputFileName);
45
46     std::cout << "Processing complete. \nCheck the output file: " << outputFileName << std::endl;
47
48     return 0;
49 }

```