```cpp
 1  /*
 2      Name: FilenameProcessing
 3      Description: How to pass filenames to a function
 4  */
 5
 6
 7  #include <iostream>
 8  #include <cstdlib>
 9  #include <fstream>
10  #include <string>         //include string library for string methods
11
12  using namespace std;
13
14  void processFiles(const char *, const char *);   //"const char *" denotes
15                                                   //a constant "C String"
16
17  int main()
18  {
19      string inputFile, outputFile;
20      cout << "Enter the name of the input file: ";
21      cin >> inputFile;
22      cout << "Enter the name of the output file: ";
23      cin >> outputFile;
24
25      //Call the file processing function converting the "C++ String" objects
26      //into "C Strings" using the c_str() method
27      processFiles(inputFile.c_str(), outputFile.c_str());
28
29      return 0;
30  } //end main
31
32
33  //This function accepts two "C string" arguments
34  void processFiles(const char *infile, const char *outfile)
35  {
36      int c;
37
38      ifstream input;
39      ofstream output;
40
41      input.open(infile);
42      output.open(outfile);
43
44      if (!input.is_open()) {
45          cout << "\nERROR: could not find the input file: " << infile << endl;
46          exit(1);
47      }
48
49      if (!output.is_open()) {
50          cout << "\nERROR: could not find the output file: " << outfile << endl;
51          exit(1);
52      }
53
54      // Character by character copy from input to output until End of File
55      while (!input.eof()) {
56          c = input.get();
57          output.put(c);
58      }
59
60      input.close();
61      output.close();
62  } //end processFiles
```