

```

1  #include <iostream>
2  #include <fstream>
3  #include <string>
4  #include <cctype>
5
6  using namespace std;
7
8  int main()
9  {
10
11     string inputFileName;
12     string outputFileName;
13     char ch;
14
15     string sentence;
16
17     ofstream outputFile;
18     cout << "Enter output filename: ";
19     cin >> outputFileName;
20     cout << endl;
21
22     ifstream inputFile;
23     cout << "Enter input filename: ";
24     cin >> inputFileName;
25
26     inputFile.open(inputFileName.c_str(), ios::in);
27     outputFile.open(outputFileName.c_str(), ios::out);
28
29     if (inputFile) // if file open successful
30     {
31         //getline(inputFile, sentence);
32
33         inputFile.get(ch); // get sentence one character at a time
34
35         while(inputFile) // while file open, continue
36         {
37             //cout << sentence << endl;
38             if (isupper(ch))
39             {
40                 ch = tolower(ch);
41
42             }
43
44             if (ch == ' ')
45             {
46                 cout << ch;
47                 outputFile.put(ch);
48                 inputFile.get(ch); // get the next character
49                 if (isspace(ch))
50                 {
51                     outputFile.put(ch);
52                     inputFile.get(ch);
53                 }
54                 if (isalpha(ch))
55                 {
56                     ch = toupper(ch);
57                     outputFile.put(ch);
58                 }
59
60             }
61         }
62         else
63         {
64             cout << ch; // output the character
65             outputFile.put(ch); // write to second file
66

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```
67         }
68
69         //outputFile.put(ch); // write to second file
70
71         //getline(inputFile, sentence);
72
73         inputFile.get(ch); // get more characters
74     }
75
76     inputFile.close();
77     outputFile.close();
78
79 }
80 else
81 {
82     cout << "Cannot open file.\n";
83 }
84
85
86
87
88
89
90 return 0;
91 }
```