```cpp
//
//  main.cpp
//  AbsoluteCpp_ch12_8
//

//  Program to create a file called cplusad.txt that is identical to the
//  file cad.txt except that all occurrences of 'C' are replaced by "C++".
//  Assumes that the uppercase letter 'C' does not occur in cad.txt except as
//  the name of the C programming language.


#include <fstream>
#include <iostream>
#include <cstdlib>
using std::ifstream;
using std::ofstream;
using std::cout;

void addPlusPlus(ifstream& inStream, ofstream& outStream);
//  Precondition: inStream has been connected to an input file with open.
//  outStream has been connected to an output file with open.
//  Postcondition: The contents of the file connected to inStream have been
//  copied into the file connected to outStream, but with each 'C' replaced by
//  "C++". (The files are not closed by this function.)


int main(int argc, const char * argv[]) {

    ifstream fin;
    ofstream fout;
    cout << "Begin editing files.\n";
    fin.open("cad.txt");
    if (fin.fail( ))
    {
        cout << "Input file opening failed.\n";
        exit(1);
    }
    fout.open("cppad.txt");
    if (fout.fail( ))
    {
        cout << "Output file opening failed.\n";
        exit(1);
    }

    addPlusPlus(fin, fout);
    fin.close( );
    fout.close( );
    cout << "End of editing files.\n";

    return 0;
}

void addPlusPlus(ifstream& inStream, ofstream& outStream)
{
    char next;
```

```cpp
    inStream.get(next);
    while (! inStream.eof( ))
    {
        if (next == 'C') outStream << "C++";
        else
            inStream.get(next);
        outStream << next;

    }
}
```