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// This program writes data to a file, closes the file,
// then reopens the file and appends more data.
#include<iostream>
#include<fstream>
using namespace std;

int main()
{
    ofstream dataFile;

    cout << "Opening file...\n";
    // Open the file in output mode.
    dataFile.open("demofile.txt", ios::out);
    cout << "Now writing data to the file.\n";
    dataFile << "Jones\n"; // Write line 1
    dataFile << "Smith\n"; // Write line 2
    cout << "Now closing the file.\n";
    dataFile.close(); // Close the
file

    cout << "Opening the file again...\n";
    // Open the file in append mode.
    dataFile.open("demofile.txt", ios::out | ios::app);
    cout << "Writing more data to the file.\n";
    dataFile << "Willis\n"; // Write
line 3
    dataFile << "Davis\n"; // Write line 4
    cout << "Now closing the file.\n";
    dataFile.close(); // Close the
file

    cout << "Done.\n";
    return 0;
}

```