#include <iostream>

#include <fstream>

#include <string>

using namespace std;

int main() {

string filename = "example.txt";

string dataToWrite = "Hello, this is a sample text written to the file.";

string dataRead;

// Create and write to the file

ofstream outputFile(filename);

if (!outputFile) {

cerr << "Error creating file!" << endl;

return 1;

}

outputFile << dataToWrite;

cout << "Data written to the file: " << dataToWrite << endl;

outputFile.close();

// Open the file again for reading

ifstream inputFile(filename);

if (!inputFile) {

cerr << "Error opening file for reading!" << endl;

return 1;

}

cout << "\nReading data from the file:" << endl;

while (getline(inputFile, dataRead)) {

cout << dataRead << endl;

}

inputFile.close();

return 0;

}