**ASSIGNMENT 4 43**

#include <iostream>

#include <fstream>

#include <string>

using namespace std;

int main() {

// File name

const string filename = "example.txt";

// Step 1: Create an output file and write information to it

{

ofstream outFile(filename);

if (!outFile) {

cerr << "Error creating file: " << filename << endl;

return 1;

}

outFile << "Hello, World!" << endl;

outFile << "This is a simple file I/O example in C++." << endl;

outFile << "Goodbye!" << endl;

outFile.close(); // Close the output file

}

// Step 2: Open the file as an input file and read the information from it

{

ifstream inFile(filename);

if (!inFile) {

cerr << "Error opening file: " << filename << endl;

return 1;

}

string line;

cout << "Contents of the file:" << endl;

while (getline(inFile, line)) {

cout << line << endl;

}

inFile.close(); // Close the input file

}

return 0;

}

**OUTPUT**

Contents of the file:

Hello, World!

This is a simple file I/O example in C++.

Goodbye!