

Files

CS 124 – Intro to Software Development

Macbeth – Lesson 7.1

Agenda

- Opening Prayer
- Scripture
- Q&A
- File Streams
- Calendar Project
- Looking Ahead

Scripture

Mosiah 2:41

"I would desire that ye should consider on the blessed and happy state of those that keep the commandments of God. For behold, they are blessed in all things, both temporal and spiritual; and if they hold out faithful to the end they are received into heaven, that thereby they may dwell with God in a state of never-ending happiness."

Streams



Streams

- Compare and contrast these streams:
 - Write to the screen
 - Read from the keyboard
 - Write to a file
 - Read from a file

Summary of How to Use Streams

	Write Screen	Read Keyboard	Write File	Read File
Library	#include <iostream>	#include <iostream>	#include <fstream>	#include <fstream>
Create Stream	N/A	N/A	ofstream fileOut(filename);	ifstream fileIn(filename);
Check Stream	N/A	N/A	if (fileOut.fail())	if (fileIn.fail())
Write Stream	cout << "Hello";	N/A	fileOut << "Hello";	N/A
Read Stream	N/A	cin >> data;	N/A	fileIn >> data;
Close Stream	N/A	N/A	fileOut.close();	fileIn.close();

Example: Write a function that prompts the user for a number and writes it to the file. Keep prompting until the user enters 0. Write a function that reads the numbers from the file and displays them to the screen.

Assignment 26

Calendar

- Review pseudocode for computeOffset
- Review definition of Leap Year - <https://www.timeanddate.com/date/leapyear.html>

Looking Forward

- Before Class on Wednesday
 - Prepare for the Unit Test on Friday by completing the 3 practice tests handed out in class today
- Friday
 - Unit Test
- Saturday
 - Calendar Project due