

CPS 171 Lab on structs

Make a new Visual C++ project and add the following files to your project

http://www.hal9k.com/cps171/labstruc_cpp.htm

<http://www.hal9k.com/cps171/labstruc.txt>

The .cpp file contains the outline of a main program with spaces for you to fill in the details.

Declare a **struct** for a **playerType** with fields for the first name, last name and salary. The first and last names are strings and the salary is an integer. Then have the main program declare two variables called *player1* and *player2* of type **playerType** and read information from a data file into the variables, echoing it as it is read.

Write an if-else statement that finds and prints the last name of the player with the larger annual salary.

```
// Labstruc.cpp Start of a program for a lab on structs for CPS 171
// J.Remen Fall 98 Updated Oct 00 for Visual C++
#include <fstream>
#include <iostream>
#include <string>

using namespace std;

// declare a struct here with fields for the first
// name, last name and salary

int main()
{
    // declare variables for two players here

    ifstream infile;
    infile.open("labstruc.dat");
    if (!infile)
    {
        cout << "Unable to open data file\n";
        return 1;
    }

    // read the information for the 2 players
    // and echo the data

    infile >>
    cout <<

        // Find and print the name of the player with the higher salary
    if( )
        cout <<
    else
        cout <<
    return 0;
}
```