PA2

Due: 1/27 (Mon), 11;59pm

Purpose

A review of pointers, dynamic memory allocation/deallocation, struct data type, array, sorting, memory leak, dangling pointers

Project description

This project utilizes PA1, handling employee information from the given file. The requirements are as follows.

1. Define a struct data type named **Employee** that has employee code, social security number, first name, last name, department name, role, and salary. The employee code, S, indicates a salaried employee.
2. As your program reads the information of an employee from the file, it must dynamically allocate a memory (Employee type) to store the employee
3. Add sorting functionality to your program that sorts employees based on last name, SSN, Salary. To sort employee by last name, SSN, and salary, use the bubble sort, selection sort, and insertion sort, respectively.
4. Deallocate all dynamically allocated memory in your program

Documentation

1. Attach a file written in MS Word that captures the results of ls –al command, compilation process and results, and program execution on the CS server

Submission

Every project must satisfy the following submission requirements. Without satisfying each below, 20% reduction of the full points will be applied.

1. In CS Linux server, create a directory named PA2 and put your source code only under PA2. Make sure if your program works correctly without compile error. A program with compile errors receives zero point.
2. Via the PA2 link under the Dropbox of the D2L course homepage, zip your program *(not include .o and an executable)* and yourMS Word file together, name it *PA2_firstname_lastname.zip*, and submit the renamed zip file.
3. **Note:** No late submission receives points. No changes of files after the deadline.