**Sort comprehensive Experiment Report**

Experiment Date:2021.11.27

Class: 计科201

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1. **Experimental purpose**

1) Familiar with the basic operations of the sort.

2) Master the operation of various internal sorting.

3) Deepen the understanding of the sort, and to develop the programming ability of solving practical problems gradually.

1. **Experimental environment**

Computers equipped with Visual C6.0/CFree.

The experiment lasted for 4 hours.

1. **Experimental content**

A series of strings are stored in a two-dimensional array. Try to sort them with some sorting algorithms (at least two algorithms, such as insert sorting, bubble sorting, quick sorting, and heap sorting). You should sort them to dictionary order finally.

For example: two-dimensional array is :

char s[][20]={“while”，”if”，“else”，”do”，“for”，”switch”，“case”};

1. **Important data structures**

**希尔排序算法和插入排序算法**

1. **Implementation analysis**

**通过已实现的排序算法对文件中的数据进行排序**

1. **Debugging problem analysis**

个别数据排序出现错误，通过查找问题发现与循环中的数组下标设置错误有关

1. **Summary**

通过对排序算法的应用实现了对已知数据的相关排序。

1. **Crew Division**

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| --- | --- | --- |
| **Group division** | | |
| **Member name** | **Work done** | **Completion situation** |
| **黄荣帅** | **希尔排序的实现** | **完成** |
| **叶宇轩** | **插入排序的实现** | **完成** |
| **王子昂** | **文件的输入输出及相关数据的生成与保存** | **完成** |