**XXX Experiment Report**

班级：计科201 实验日期：12月7日

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**One. 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.

**Two. Experimental environment**

Computers equipped with Visual C6.0/CFree.

The experiment lasted for 4 hours.

**Three. 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”};

(see the instruction manual for the above three parts)

**Four. Important data structures**

函数

**Five. Realization idea analysis**

我们重点将冒泡排序，选择排序，插入排序的功能进行函数封装，提高了代码的重复利用性和封装性。

**Six. Program debugging problem analysis**

由于是对字符串的排序，比一般数据类型的排序复杂一点，但可以通过在字符串库中的比较函数来比较字符串。

**Seven. Experimental summary**

1.学会了各种排序算法的原理

2.培养了团队合作写程序的能力

**Eight. Crew Division**

|  |  |  |
| --- | --- | --- |
| **Group division** | | |
| **Member name** | **Work done** | **Completion situation** |
| **郭奋志** | **插入排序** | **圆满完成** |
| **郭飞** | **选择排序** | **圆满完成** |
| **胡大维** | **冒泡排序** | **圆满完成** |