**Sort comprehensive Experiment Report**

Class:计科201

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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”};

**Four. Important data structures**

Binary tree

**Five. Realization idea analysis**

Convert the problem to the size comparison of the Classl code

**Six. Program debugging problem analysis**

Handle\_ S class function can be modified by adding some header files

**Seven**.  **Experimental summary**

The master of head function is insufficient and the ability to correct errors is weak

**Eight. Crew Division**

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| --- | --- | --- |
| **Group division** | | |
| **Member name** | **Work done** | **Completion situation** |
| **曹敬雨** | **Heap sort ,head function** | **good** |
| **徐汪洋** | **Insert sort,quick sort** | **good** |