

# 信息处理技术 作业1

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题目：对输入的数字用冒泡算法排序

源代码：

```
#include<stdio.h>
int main(void){
    double NUM[100];
    double temp;
    int i,k,n;

    printf("Please input how many numbers would you like to sort.\n");
    scanf("%d",&n);

    printf("Please input the numbers you would like to sort.\n");
    for(i=0;i<n;i++)
        scanf("%lf",&NUM[i]);

    for(k=0;k<n;k++){
        for(i=0;i<n-k-1;i++){
            if(NUM[i]>NUM[i+1]){
                temp=NUM[i];
                NUM[i]=NUM[i+1];
                NUM[i+1]=temp;
            }
        }
    }

    for(i=0;i<n;i++)
        printf("%6.2f\n",NUM[i]);

    return 0;
}
```

测试样例：

```
D:\信息处理技术\作业1.exe
Please input how many numbers would you like to sort.
5
Please input the numbers you would like to sort.
10.7 9.72 809.1 100 233
    9.72
    10.70
    100.00
    233.00
    809.10

-----
Process exited after 20.02 seconds with return value 0
请按任意键继续. . .
```