

Write a program to create a sales report for the El Zorro Video Store. Store records have been placed in a text file named "zorro.txt". This file is available at URL <http://www.csee.usf.edu/~maurer/progconc/zorro.txt>. Each line in this file contains one record. The record contains the salesman's first name, last name, and annual sales in number of video tapes. The following is an example. Note that spaces separate each item on the line.

**Peter Maurer 100  
Vanessa Jones 3562  
Jennifer Smith 7932**

First name and last name will be shorter than 20 characters. The number of video tapes may exceed 32767. The store has no more than 30 salespeople. The sales report has two parts, the first is a list of salesmen in order by last name. The second part is a list of salespeople from top seller to worst seller. After the second list, there will be a line giving total sales. There will be a header line, giving the name of the store followed by a blank line. There will be a second header line for each section. Each section should be followed by two blank lines. When printed, the salesperson's name should occupy the first 35 spaces on the line. Position 36 should be a blank. The amount should start in position 37, and should be right justified. Annual sales for an individual will never exceed 99,999 units.

The following is an example of the required output.

**El Zorro Video**

**Annual Sales by Name**

**Vanessa Jones        3562  
Peter Maurer         100  
Jennifer Smith       7932**

**Annual Sales by Number of Units**

**Jennifer Smith       7932  
Vanessa Jones       3562  
Peter Maurer         100**

**Total Sales    10594**

**Turn In: Printout of Program, Printout of annual report.**

*Hints and Tips:*

“zorro.txt” is in DOS format. If you’re working in UNIX, display the file in your browser and save it. This should rewrite it into UNIX format.

An array of strings:

```
char StringArray[30][20]; // 30 strings, each 20 characters long.
```

Reading a String into an array of strings:

```
fscanf(MyFile,“%d”,StringArray[i]);
```

Sorting an array of numbers. The variable “Size” tells how many numbers are in the array.

```
for (i=0 ; i<Size-1 ; i++)  
{  
    for (j=i+1 ; j<Size ; j++)  
    {  
        if (Number[i] > Number[j])  
        {  
            Temp = Number[i];  
            Number[i] = Number[j];  
            Number[j] = Temp;  
        }  
    }  
}
```

Fixed Field printing:

The following statement will print all strings the same length, and will right justify the numbers that follow them.

```
fprintf(stdout,“%10s %3d\n”,FullName,Sales[i]);
```