

Lab Goal : This lab was designed to demonstrate the benefits of using Comparable as a way to organize data.

Lab Description : Sort all words by comparing the length of each word. The word with the smallest length would come first. If you have more than one word with the same length, that group would be sorted alphabetically.

Input: The data file contains a list of words. The first line in the data file is an integer that represents the number of data sets to follow.

Output: Output the complete list of words in order by length.

Sample Data :

```
10
freddy
at
elephant
whooooooooodat
alice
tommy
bobby
it
at
about
```

Files Needed ::

```
Word.java
WordRunner.java
```

Sample Output :

```
at
at
it
about
alice
bobby
tommy
freddy
elephant
whooooooooodat
```