

Exercises

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1. *Sorting Strings*

Create a list of strings. Sort them alphabetically. Sort them by length. Sort them by length in descending order.

Advanced: Sort by length, then sort equal length strings alphabetically

2. *Processing a list of numbers*

Create a list of numbers. Add them together. First double each number, then add them up. Compute their average.

3. *Reading a web page*

Using the Groovy JDK, access your home page and display the source code. Print the length of each line of the home page.

4. *Closures as a filter*

Create a list of numbers. Print all elements greater than zero.

5. *Multi-line strings*

Make a multi-line string. Compute the number of vowels on each line.

6. *Padded binary output*

Print the numbers from 0 to 15 in binary (use Java's `Integer.toString()` method). Use a method in `String` from the Groovy JDK to make all the output values have four digits.