

Basic File IO

Create a simple text file with a few lines of text, one of which should be “This is a test”. Put this file in the top-level folder of your Eclipse project. (Create it by R-clicking on your Eclipse project and then saying New --> File).

1. Read all the lines into a List. Then, loop down the List and print out the first line that contains “test”. Recall from the last lecture that you can loop down Lists in a similar way to looping down arrays:

```
List<String> lines = ...;
for(String s: lines) {
    ...
}
```

2. Read the lines one at a time. When you find one that contains “test”, print it out and stop reading the file.
3. Make a List of String by populating the List with a few calls to Math.random() and converting each number to a String (use the “+” operator with a String and your number). Dump the entries to a file.
4. Create a file containing a few random numbers. Don’t make a List first.
5. Make a routine that takes a simple text file containing strings and copies it to another file.