





Arrays and Lists — Review/Recap
Scala provides two basic types of "sequences", arrays and lists.
Several ways to work with them. We start out by applying tools we already have (recursive functions), partly to get more practice with them. Also an opportunity to revisit "higher-order functions" (functions that use other functions as parameters) ...



Higher-Order Functions — Review/Recap
"Higher-order functions" (first discussed in chapter 5) are functions that use other functions as parameters (or as return values). Very useful concept, supported in fairly different ways in different languages.
As an example of how this is useful — summing all elements of an array versus computing their product, versus finding the smallest or largest element, etc. Basic computation (a *reduction*) involves combining elements pairwise with a binary operator, and by using a higher-order functions we don't have to repeat the parts that are the same.









