

## Collection Methods — Overview

• As noted earlier, both arrays and lists provide a wide range of interesting(?) methods. ("Methods"? Briefly, special type of functions, described a bit in chapter 3.) The textbook lists some of them and is a good starting point. For full details, however . . .

Slide 3

## The Scala API

 In context, API means "Application Programming Interface". Meant as complete documentation of the language's library functions, methods, etc. Many languages and libraries have one of these.

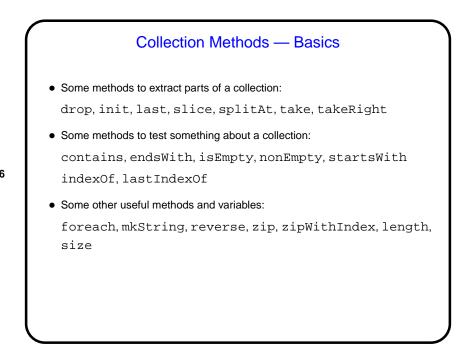
Slide 4

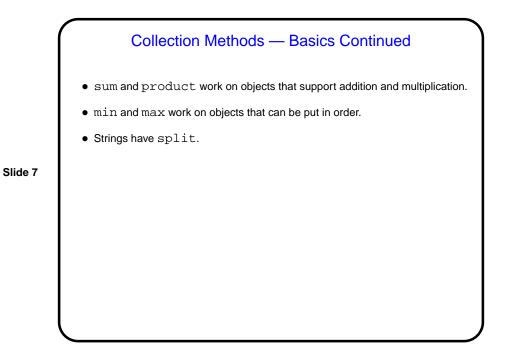
 The standard presentation of Scala's API is descended from that of Java and is nicely organized for online browsing (link from course "Useful links" page).
Worthwhile spending a bit of time learning how to find things in it (though not everything will make sense yet).

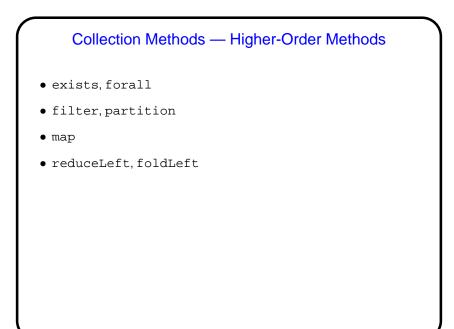


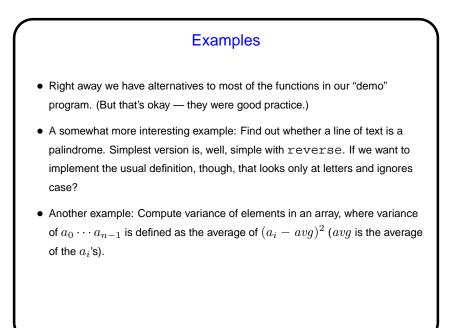
- Notice some entries in left frame show two icons ("o" and "c"). "c" shows things you can do with objects of whatever type it is (e.g., Ints). "o" shows things you can do with Int itself e.g., get minimum and maximum value.
- Some things are documented in unobvious places (e.g., ArrayOps, StringOps, RichInt).

Slide 5









Minute Essay • Can you think of other interesting things you could do with some of these methods? Slide 10