1. Exercises 10(a)–(d) on pages 148–151.

2. Design and write the interface for an applet that can convert between English and metric units of distance. Specifically, your applet should display an interface to convert a certain number of inches, feet, or yards to an equivalent number of millimeters, centimeters, or meters, and vice versa.

For example, in a working applet, someone would be able to enter 10 in a text field, select inches from a menu or list, select centimeters from another list, and click a Convert button to display the equivalent number of centimeters. Likewise, someone should also be able to convert 10 millimeters to an equivalent number of inches.

Of course, you don’t yet know how to make the applet actually do anything when you click the button. You just want to design a good interface. We’ll look at how to make your applet actually do something soon enough.

I am not showing you a picture of what I have in mind for a reason! I want you to think about how best to design this interface, and then implement your design using Panels, Layouts, and Widgets. Your finished product should look appealing and be easy to use. You might find it helpful to read the discussion preceding (and contained in) exercises 24–28 on page 151.

Start early (or now) and have fun!