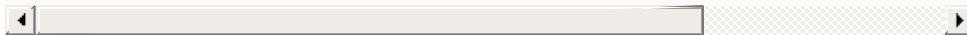


17.16 Lambda Event Handlers

In [Section 12.5.5](#), you learned how to implement an event handler using an anonymous inner class. Event-listener interfaces with one abstract method—like `ChangeListener`—are functional interfaces. For such interfaces, you can implement event handlers with lambdas. For example, the following `Slider` event handler from [Fig. 12.23](#):

```
tipPercentageSlider.valueProperty().addListener(  
    new ChangeListener<Number>() {  
        @Override  
        public void changed(ObservableValue<? extends N  
            Number oldValue, Number newValue) {  
            tipPercentage =  
                BigDecimal.valueOf(newValue.intValue() /  
                tipPercentageLabel.setText(percent.format(ti  
        }  
    }  
);
```



can be implemented more concisely with a lambda as

```
tipPercentageSlider.valueProperty().addListener(  
    (ov, oldValue, newValue) -> {  
        tipPercentage =  
            BigDecimal.valueOf(newValue.intValue() / 100
```

```
tipPercentageLabel.setText(percent.format(tipPe  
});
```

For a simple event handler, a lambda significantly reduces the amount of code you need to write.