**Chapter 6 Flow of Control, Part 2: Looping**

6.1 Event-Controlled Loops Using *while*

6.2 General Form for *while* Loops

6.3 Event-Controlled Looping

6.3.1 Reading Data from the User

6.3.2 Reading Data from a Text File

6.4 Looping Techniques

6.4.1 Accumulation

6.4.2 Counting Items

6.4.3 Calculating an Average

6.4.4 Finding Maximum or Minimum Values

6.4.5 Animation

6.5 Type-Safe Input Using *Scanner*

6.6 Constructing Loop Conditions

6.7 Testing Techniques for *while* Loops

6.8 Event-Controlled Loops Using *do/while*

6.9 Programming Activity 1: Using *while* Loops

6.10 Count-Controlled Loops Using *for*

6.10.1 Basic Structure of *for* Loops

6.10.2 Constructing *for* Loops

6.10.3 Testing Techniques for *for* Loops

6.11 Nested Loops

6.12 Programming Activity 2: Using *for* Loops