Chapter 5

ADTs Stack and Queue

After studying this chapter, you should be able to

* Describe a stack and its operations at a logical level
* Demonstrate the effect of stack operations using a particular implementation of a stack
* Implement the Stack ADT, in two array-based implementations and a linked implementation
* Describe the structure of a queue and its operations at a logical level
* Demonstrate the effect of queue operations using a particular implementation of a queue
* Implement the Queue ADT, using both an array-based implementation and a linked implementation
* Use inheritance to create a Counted Queue ADT