

CSCI-101 Programming 2

Lab 4, Part b

INSTRUCTIONS

Inside the **lab4** directory create the following files, compile, and test.

1. Create a generic class named **ArrayQueue**. In the class create a constructor that takes an integer as an argument. Use the value of the argument as the size of the underlying array.
2. Implement the **java.util.Queue<E>** interface. Do not include an **implements** clause in your class, just implement the methods in the interface.
 - A. add
 - B. remove
 - C. offer
 - D. poll
 - E. element
 - F. peek

As you are developing the class, after you've implemented a method, test the code in a program in a file named **QueueTest.java**.