Brian Jones

CIS 113

2/22/2013

Chapter 2 Homework

Problems 7,8,9,15,18,21-26,33; EC: 14,28

1. Public, abstract
2. Error; The class’s return type and arguments must match the prototype in the interface
   1. FALSE
   2. TRUE
   3. FALSE
   4. TRUE
   5. FALSE
   6. FALSE
   7. FALSE
3. You can’t instantiate an Interface, but rather, you can only instantiate an object that implements the Interface. Thus, the object instantiated should be an ArrayStringLog(“example”):
   1. StringLogInterface myLog = new ArrayStringLog(“example”);
   2. No Ramifications, as long as every reference to the constructors are changed as well.
   3. The last element will be overwritten, due to lastIndex not incrementing to create a new spot for the new element.
   4. isFull will never return True, so as far as the program is concerned “log” will never be full
   5. log[0] will never be tested for string-comparison, ignoring the first element in “log”
   6. log[lastIndex] won’t be tested for string-comparison, ignoring the last element in “log”
4. In code package
5. In code package
6. In code package
7. In code package
8. In code package
9. In code package
   1. No braces in the “while” loop, causing System.out.println() to repeat infinitely
   2. “Count = count + 1;” is commented out by the “/\* Now we will add 1 to count \*/” line

EXTRA CREDIT

1. In code package
2. In code package