Lab 11  Name:__________________________  Checked:_______

Objectives:
Practice using arrays to store and process values of different types.

Preparation:
Array exercise  Checked (instructor/TA): _______________

a. An array of double
Make a new version of your program from part (a) and name it Lab11a.java
This program should create an array of 100 values of type double, set to random values in the range 0…1.
  • What happens if you do not initialize the array's values?
Answer: ____________________________________________________________

b) An array of boolean
Create a new version of your program Lab11b.java that creates instead an array of 100 values of type boolean. The values should be set to alternating true/false, i.e.,
anArray[0] = true;  anArray[1] = false, etc. (be sure to use a loop here too).
  • What happens if you do not initialize the array's values?
Answer: ____________________________________________________________

c) An array of char
Create a new version of your program Lab11c.java that creates instead an array of 26 values of type char. The values should be set to the letter ‘a’ ... ‘z’.
  • What happens if you do not initialize the array's values?
Answer: ____________________________________________________________

d) Reading values from the user and storing them in an array
Starting from Lab11a.java (array of double) create a new version of your program Lab11d.java, that uses Scanner to input values from the user. (Test it with smaller arrays, say with 5 entries, so you don't need to type so much.)

g) Expand your knowledge of arrays and all things Java
The array exercise example is from the Java online tutorials:
http://docs.oracle.com/javase/tutorial/java/nutsandbolts/arrays.html
  • Read the tutorial on arrays. This is one of many online tutorials that are available on Java programming. As you progress to writing Java programs to solve real life problems (or to review for final exam...), it is useful to know where to go to brush up on a topic or to learn more about the intricacies of the Java language.
  • Make a note here about something that you learned.

Answer: ____________________________________________________________