**CS Arrays Unit Lab: Array Copy Practice**

*Learning Target: I will practice using hard copies and soft copies (deep copies and shallow copies) with arrays.*

Write a program, ArrayCopyPractice.java, that accomplishes the following tasks:

* Step 1:
  + Create an integer array with numbers of your choice.
  + Create a hard copy of that array.
  + Print out both arrays
* Step 2:
  + Ask the user to type 1 or 2.
  + If they type 1, change the first value in the first array to 100.
  + If they type 2, change the first value in the second array to 100.
  + Print out both arrays.
* Step 3:
  + Ask the user to type 1 or 2.
  + If they type 1, sort the first array.
  + If they type 2, sort the second array.
  + Print out both arrays.
* Step 4:
  + Ask the user to type 1 or 2.
  + If they type 1, both arrays should reference the values in the first array.
  + If they type 2, both arrays should reference the values in the second array.
  + Print out both arrays.
* Step 5:
  + Ask the user to type any number.
  + In one, line of code, change BOTH arrays’ first value to be the number typed by the user.
  + Print out both arrays.

**Rubric**

* 2 points per step