## **Participation & Challenge Activity 2**

### **CMP 326: Programming Methods II**

Lehman College, City University of New York

Fall 2019

6.1 User-defined method basics

6.2 Return

6.3 Reasons for defining methods

6.4 Methods with branches/loops

6.5 Unit testing (methods)

6.6 How methods work

6.7 Methods: Common errors

6.8 Scope of variable/method definitions

6.9 Method name overloading

6.10 Parameter error checking

6.11 Using Scanner in methods

6.12 Java documentation for methods

7.1 Array concept (general)

7.2 Arrays

7.3 Array iteration drill

7.4 Iterating through arrays

7.5 Multiple arrays

7.6 Swapping two variables (General)

7.7 Loop-modifying or copying/comparing arrays

7.8 Debugging example: Reversing an array

7.9 Enhanced for loop: Arrays

7.10 Array parameters

7.11 Perfect size arrays

7.12 Oversize arrays

7.13 Methods with oversize arrays

7.14 Comparing perfect size and oversize arrays

7.15 Using references in methods

7.16 Returning arrays from methods

7.17 Common errors: Methods and arrays

7.18 Searching and algorithms

7.19 Selection sort

7.20 Insertion sort

Make sure to read and complete all the participation and challenge activities for the following sections:

**Please complete all the Participation and Challenge activities in the above sections. This work must be completed in your textbook**  [**ZYBooks -- CMP-326: Programming Methods I**](https://learn.zybooks.com/zybook/CUNYCMP326Fall2019)**I**

**No other forms of submission will be accepted.**