## **Participation & Challenge Activity 1**

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

Lehman College, City University of New York

Fall 2019

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

2.1 Variables and assignments (general)

2.2 Variables (int)

2.3 Identifiers

2.4 Arithmetic expressions (general)

2.5 Arithmetic expressions (int)

2.6 Example: Health data

2.7 Floating-point numbers (double)

2.8 Scientific notation for floating-point literals

2.9 Constant variables

2.10 Using math methods

2.11 Integer division and modulo

2.12 Type conversions

2.13 Binary

2.14 Characters

2.15 Strings

2.16 Integer overflow

2.17 Numeric data types

2.18 Random numbers

2.19 Reading API documentation

2.20 Debugging

3.1 OutputStream and System.out

3.2 InputStream and System.in

3.3 Output formatting

3.4 Streams using Strings

4.1 If-else branches (general)

4.2 If-else

4.3 More if-else

4.4 Equality and relational operators

4.5 Detecting ranges (general)

4.6 Detecting ranges with if-else statements

4.7 Logical operators

4.8 Order of evaluation

4.9 Example: Toll calculation

4.10 Switch statements

4.11 Boolean data type

4.12 String comparisons

4.13 String access operations

4.14 Character operations

4.15 More string operations

4.16 Conditional expressions

4.17 Floating-point comparison

4.18 Short circuit evaluation

5.1 Loops (general)

5.2 While loops

5.3 More while examples

5.4 For loops

5.5 More for loop examples

5.6 Do-while loops

5.7 Loops and strings

5.8 Nested loops

5.9 Developing programs incrementally

5.10 Break and continue

5.11 Variable name scope

5.12 Enumerations

**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.**