**CST-117 Exercise 7**

A method stub, or signature, is the first line of a method.

Write a class that contains the following “stubs” for methods used in measurement conversion. You do not have to implement the methods.

Here’s an example:

Write a void method that takes an integer for the number of millimeters and displays the number of meters.

Correct response:

public void showMeters(int numMillimeters){}

1. Write a method that takes two integers and displays their sum.

public void showSum(int firstInt, int secondInt){}

1. Write a method that takes five doubles and returns their average.

public double averageFiveDoubles(double firstDouble, double secondDouble, double thirdDouble, double fourthDouble, double fifthDouble){}

1. Write a method that returns the sum of two randomly generated integers.

public int sumRandomInt(){}

1. Write a method that takes three integers and returns true if their sum is divisible by 3 and false otherwise.

public bool isDivisible(int firstInt, int secondInt, int thirdInt){}

1. Write a method that takes two strings and displays the string that has fewer characters.

public void showSmallerString(String firstString, String secondString){}

1. Write a method that takes an array of doubles and returns the largest value in the array.

public double largestDoubleInArray(double[] double){}

1. Write a method that generates and returns an array of fifty integer values.

public int[] generateIntArray(){}

1. Write a method that takes two bool variables and return true if they have the same value and false otherwise.

public bool areBoolsEqual(bool firstBool, bool secondBool){}

1. Write a method that takes an int and a double and returns their product.

public double productIntDouble(int numberInt, double numberDouble){}

1. Write a method that takes a two-dimensional array of integers and returns the average of the entries.

public int averageTwoDimensionalIntArray(int[][] integers){}