

## Instructions

Write one method per task (all of these methods should go in the same class). **If a name for a method is specified, make sure it has that name!**

Before writing a method, it is recommended to **FIRST** write an algorithm or make a flowchart depicting the high-level operations being performed. **For methods with arguments, make sure to test out your methods on a variety of inputs to ensure they are working correctly!** Once you are satisfied that your code works correctly, make sure you've followed all the style guidelines.

## Tasks: Arrays and Methods

1. Write a method 'public static void printIntArray(int[] theArray)' that takes in an array of integers theArray, then prints out each of the integers in the array, one per line (use a loop). (Nothing is returned by this method.)
2. Write a method 'public static int sumArray(int[] theArray)' that takes in an array of integers, then returns a single integer that is the **sum** of all of the integers in the array.
3. Write a method 'public static int averageArray(int[] theArray)' that takes in an array of integers, then returns a single integer that is the **average** of all of the integers in the array (hint: this will be very similar to the previous method; you could even call the previous method to streamline the process if you want. Think about how to compute an average given a sum.).
4. Write a method 'public static int maxArray(int[] theArray)' that takes in an array of integers, then returns a single integer that is the **maximum** of all of the integers in the array.
5. Write a method 'public static int minArray(int[] theArray)' that takes in an array of integers, then returns a single integer that is the **minimum** of all of the integers in the array (hint: very similar to maxArray).