1. Write a method called powersOfTwo that prints the first 10 powers of 2 (starting with 2).
2. Write a method called alarm that prints the word “Alarm!” multiple times on separate lines. The method should accept an integer parameter that specifies how many times the output line is printed.
3. Write a method called sum100 that returns the sum of the integers from 1 to 100.
4. Write a method called sumRange that accepts two integer parameters that represent a range. You may assume the first parameter is less than or equal to the second. The method should return the sum of the integers in that range.
5. Write a method called larger that accepts two floating point parameters (of type double) and returns true if the first parameter is greater than the second, and false otherwise.
6. Write a method called average that accepts three integer parameters and returns their average as a floating point value.