

COP 3503 Fall 2026 Section 201 Program 1 Directions

This program is testing the use of built-in data structures. In order to get full credit, you must use some of the built-in data structures shown in class efficiently.

Since the code for this program is relatively short, there's no need to design your program with multiple methods. (Unless really poorly written, you won't lose any points for specifically doing this.)

You will still be graded on standard style issues as well as commenting. Your program should have a header comment as well as a reasonable amount of internal comments. In addition, do strive to use reasonable variable names, but it's likely we'll be somewhat lenient on this particular issue.

Please read your input from standard input. Do NOT prompt the user to enter anything.

Please provide your output to standard output.

Finally, your program will only process once test case. We'll test it multiple times on different test cases. This is the only assignment out of the six that is designed this way. For the other five, your program will process multiple test cases.

Deliverables

1. Please submit your source file and call it **rightsize.java**. (Note: Webcourses automatically adds version numbers to the end of your files if you resubmit. Don't worry about this. The grader will fix it.)
2. Please submit a short write up discussing your development of the program, any interesting observations you made while working on the program, any hurdles you faced and how you overcame those hurdles. This should be submitted in a file called **P1-commentary.pdf**.