

# Practice Problems: Array Problems

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## Repeat-X and Sum Algorithms with Arrays

Write a short Java program to solve each of the following problems. Each one will involve an array, plus a Repeat-X or an accumulate algorithm (and maybe more than one) --- it's up to you to figure out how!

1. Read 10 ints from the keyboard, and store them in an array. For each int in the array, display a line with that many "\*" characters.
2. Read in 10 ints from the keyboard, and store them in an array. Find the maximum and minimum values in the array, and display them on the screen.
3. Read in 10 ints from the keyboard, and store them in an array. Find the *position* (or *index*) of the maximum and minimum values in the array, and *swap* them (move the biggest element to the position of the smallest, and move the smallest element to the position of the biggest).
4. Read 10 ints from the keyboard, and store them in an array. Display "true" on the screen if there is an even number of even numbers among these 10. Otherwise, display "false".