

Recitation 5

About last quiz

- Indexing is not supported for stack/queue
- Missing initialization for classes

Recursion Practice

- R-5.1** Describe a recursive algorithm for finding the maximum element in an array, A , of n elements. What is your running time and space usage?
- C-5.15** Write a recursive method that will output all the subsets of a set of n elements (without repeating any subsets).
- C-5.18** Write a short recursive Java method that determines if a string s is a palindrome, that is, it is equal to its reverse. Examples of palindromes include 'racecar' and 'gohangasalamiimalasagnahog'.
- C-5.22** Suppose you are given an array, A , containing n distinct integers that are listed in increasing order. Given a number k , describe a recursive algorithm to find two integers in A that sum to k , if such a pair exists. What is the running time of your algorithm?

<https://codeboard.io/projects/465317>