Recitation 13

Exercise 1: String Recursion

Write recursive methods for the following:

a. Take a string and reverse it (make a backwards version of the string).

b. Detect if a string is a palindrome

If you are having trouble starting, recall what are the two things that every recursive method has?

Hint: They are a _____ case and a _____ call. What order do they appear in?

Exercise 2: Binary Search

Given a sorted array of int's and an int searchfor, write a recursive implementation of binary search that will return the position of searchfor if it exists in the array.

Before starting figure out what information the algorithm will need to keep track of at each step, and how that translates into what the parameters for your method should be.