Coding Problems Patterns

1. Two pointers:
   * The two pointers pattern uses two pointers to iterate over an array or list until the conditions of the problem are satisfied. This is useful because it allows us to keep track of the values of two different indexes in a single iteration.
   * Whenever there’s a requirement to find two data elements in an array that satisfy a certain condition, the two pointers pattern should be the first strategy to come to mind.

Solutions:

* Write a function that takes a string s as input and checks whether it’s a palindrome or not. Note: A phrase, word or sequence is a palindrome that reads the same backwards as forwards.The string won’t have any spaces and will only consist of ASCII characters.
* Given a sentence, reverse the order of its words without affecting the order of letters within a given word. Note: The input string may contain leading or trailing spaces or multiple spaces between words. The returned string, however, should only have a single space separating each word. Do not include any extra spaces.
* Write a function that takes a string as input and checks whether it can be a valid palindrome by removing at most one character from it.