NOTE: Do not use any inbuilt methods

1. Write a method that takes an integer array as input and returns a new array with the elements in reverse order.

2. Create a method that accepts an array of integers and returns the maximum and minimum values found in the array.

3. Write a method that checks if there are any duplicate elements in an integer array. Return `true` if duplicates exist, otherwise return `false`.

4. Create a method that merges two sorted integer arrays into a single sorted array.

5. Write a method that rotates an array to the right by a given number of steps.

6. Write a method that checks whether a given string is a palindrome (reads the same forwards and backwards).

7. Create a method that counts the number of vowels and consonants in a given string.

8. Write a method that reverses the characters in a given string.

9. Create a method that returns the first non-repeated character in a string. If there are no non-repeated characters, return a special value (like `null`).

10. Write a method that checks whether two strings are anagrams of each other (contain the same characters in a different order).

11. Create a method that counts how many times a given substring appears in a string.