Assignment 19 – Arrays and Functions

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1. Write a function to find the greatest number from the given array of any size. (TSRS)
2. Write a function to find the smallest number from the given array of any size. (TSRS)
3. Write a function to sort an array of any size. (TSRN)
4. Write a function to rotate an array by `n` positions in `d` direction.

   The `d` is an indicative value for direction (e.g., "left" or "right").
   Example:
   Input: `[32, 29, 40, 12, 70], n = 2, d = left`
   Output: `[40, 12, 70, 32, 29]`

5. Write a function to find the first occurrence of adjacent duplicate values in the array. The function should return the duplicate value.
6. Write a function to swap two elements of a given array using specified indices.
7. Write a function to count the total number of duplicate elements in an array (elements that occur **exactly two times**).
8. Write a function to print all **unique** elements in an array (elements that occur **only once**).
9. Write a function to merge two arrays of the same size and sort the resulting array in **descending order**.
10. Write a function to count the **frequency of each element** in an array and display the result.