

ASSESSMENT TEST 2023

MERN



Problem Solving Question:

Write a function shuffle(arr)that takes input an array of numbers and returns an array by ordering the numbers in following fashion:

Please note that there are multiple outputs that are possible for a given array. Your function can return one possible output.

Example: If input is [2, 1, 5, 3, 11, 7], one possible output could be [2, 7, 3, 11, 1, 5]

Once you are done, please respond back with following details:

Description	Response
URL that contains the solution in	https://github.com/prajalgupta/shuffle.git
Javascript or Typescript.	
1. Go to: https://codecollab.io	
(or any other editor of your	
choice) 2. Write your code (ensure it	
runs successfully)	
3. Share the link of the URL	
Time complexity (Big O notation) of your solution	O(n)
Solution	
Space complexity (Big O notation) of your solution	O(1)
your solution	
List all possible test cases	shuffle([2, 1, 5, 3, 11, 7]) should return [2, 7, 3, 11, 1, 5] shuffle([1, 2, 3, 4, 5]) could return [1, 3, 2, 5, 4] or any
	other valid shuffle
	shuffle([10, 5, 20, 15]) could return [5, 20, 10, 15] or any other valid shuffle
	shuffle([1]) should return [1]
	shuffle([]) should return []

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