

Problem 2677: Chunk Array

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 0.00%

Paid Only: No

Problem Description

Given an array

`arr`

and a chunk size

`size`

, return a

chunked

array.

A

chunked

array contains the original elements in

`arr`

, but consists of subarrays each of length

`size`

. The length of the last subarray may be less than

size

if

arr.length

is not evenly divisible by

size

.

Please solve it without using lodash's

_.chunk

function.

Example 1:

Input:

arr = [1,2,3,4,5], size = 1

Output:

[[1],[2],[3],[4],[5]]

Explanation:

The arr has been split into subarrays each with 1 element.

Example 2:

Input:

arr = [1,9,6,3,2], size = 3

Output:

```
[[1,9,6],[3,2]]
```

Explanation:

The arr has been split into subarrays with 3 elements. However, only two elements are left for the 2nd subarray.

Example 3:

Input:

```
arr = [8,5,3,2,6], size = 6
```

Output:

```
[[8,5,3,2,6]]
```

Explanation:

Size is greater than arr.length thus all elements are in the first subarray.

Example 4:

Input:

```
arr = [], size = 1
```

Output:

```
[]
```

Explanation:

There are no elements to be chunked so an empty array is returned.

Constraints:

arr

is a string representing the array.

2 <= arr.length <= 10

5

1 <= size <= arr.length + 1

Code Snippets

JavaScript:

```
/**
 * @param {Array} arr
 * @param {number} size
 * @return {Array}
 */
var chunk = function(arr, size) {

};
```

TypeScript:

```
type JSONValue = null | boolean | number | string | JSONValue[] | { [key:
string]: JSONValue };
type Obj = Record<string, JSONValue> | Array<JSONValue>;

function chunk(arr: Obj[], size: number): Obj[][] {

};
```

Solutions

JavaScript Solution:

```

/**
 * Problem: Chunk Array
 * Difficulty: Easy
 * Tags: array, string
 *
 * Approach: Use two pointers or sliding window technique
 * Time Complexity: O(n) or O(n log n)
 * Space Complexity: O(1) to O(n) depending on approach
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