

Problem 2695: Array Wrapper

Problem Information

Difficulty: Easy

Acceptance Rate: 89.12%

Paid Only: No

Problem Description

Create a class ``ArrayWrapper`` that accepts an array of integers in its constructor. This class should have two features:

* When two instances of this class are added together with the ``+`` operator, the resulting value is the sum of all the elements in both arrays. * When the ``String()`` function is called on the instance, it will return a comma separated string surrounded by brackets. For example, ``[1,2,3]``.

****Example 1:****

****Input:**** `nums = [[1,2],[3,4]]`, `operation = "Add"` ****Output:**** 10 ****Explanation:**** `const obj1 = new ArrayWrapper([1,2]); const obj2 = new ArrayWrapper([3,4]); obj1 + obj2; // 10`

****Example 2:****

****Input:**** `nums = [[23,98,42,70]]`, `operation = "String"` ****Output:**** `"[23,98,42,70]"`
****Explanation:**** `const obj = new ArrayWrapper([23,98,42,70]); String(obj); // "[23,98,42,70]"`

****Example 3:****

****Input:**** `nums = [[],[]]`, `operation = "Add"` ****Output:**** 0 ****Explanation:**** `const obj1 = new ArrayWrapper([]); const obj2 = new ArrayWrapper([]); obj1 + obj2; // 0`

****Constraints:****

`* `0` <= nums.length <= 1000` * `0` <= nums[i] <= 1000` * `Note: nums is the array passed to the constructor``

Code Snippets

JavaScript:

```
/**
 * @param {number[]} nums
 * @return {void}
 */
var ArrayWrapper = function(nums) {

};

/**
 * @return {number}
 */
ArrayWrapper.prototype.valueOf = function() {

}

/**
 * @return {string}
 */
ArrayWrapper.prototype.toString = function() {

}

/**
 * const obj1 = new ArrayWrapper([1,2]);
 * const obj2 = new ArrayWrapper([3,4]);
 * obj1 + obj2; // 10
 * String(obj1); // "[1,2]"
 * String(obj2); // "[3,4]"
 */
```

TypeScript:

```
class ArrayWrapper {

  constructor(nums: number[]) {

  }

}
```

```
valueOf(): number {

}

toString(): string {

}
};

/**
 * const obj1 = new ArrayWrapper([1,2]);
 * const obj2 = new ArrayWrapper([3,4]);
 * obj1 + obj2; // 10
 * String(obj1); // "[1,2]"
 * String(obj2); // "[3,4]"
 */
```