

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]"  
 */
```