

# JS Advanced: Regular Exam

## Problem 2. Multiply Enforcer

Use the provided **MultiplyEnforcer** class to solve this problem.

### Your Task

Using **Mocha** and **Chai**, write **unit tests** to test functionality of the **MultiplyEnforcer** class.

After reviewing the provided code, write tests for each of the static methods to ensure the **functionality** and **valid inputs**.

1. Export the class from the provided JS
2. Test each static method to make sure it functions correctly for valid and invalid inputs.
3. Use any combination of assert, should or expect
4. Must use at least two or all three of #3 above

### Hints!

- Don't forget you'll need to export the provided class first (so you can import it other places!)
- One of the methods should return a string as the output
- One of the methods returns an array if the inputs are not valid
- Keep the Chai docs open to help with writing the tests

You may use the following code as a describe template:

```
describe("Tests ...", function() {
  describe("TODO ...", function() {
    it("TODO ...", function() {
      // TODO: ...
    });
  });
});
// TODO: ...
});
```

### Functionality

The code inside the **MultiplyEnforcer.js** file defines a class that performs some basic math and provides the results. You will need to review this code to determine the expected functionality and then write the appropriate tests.

## Submission

Submit both files, the MultiplyEnforcer.js and your test file, or a zipped file with the class and test folder containing the tests.

*GOOD LUCK!* 😊