

Cohort Exercise

Total 10 Marks

You may submit your codes in a zip file with folders and subfolders, and a report to explain your codes.

Question 1 (5 Marks)

Consider the code `findmax.js` given in the template project, write a testsuite using Jest which contains 3 test cases.

1. a test that results in failure (do not compute maximum) it should fail
2. a test that results in error, it should throw an error that the test won't catch this error
3. a test that results in pass

Question 2 (5 marks)

Consider the code `findmax.js` from the previous question, define a list of test cases using equivalence class testing.

Hints: You may consider the following partitions

1. empty arrays
2. array with null values
3. array with NaN values
4. arrays with a single ordinal value
5. arrays with more than one ordinal value and the max value is at index 0.
6. arrays with more than one ordinal value and the max value is at index N-1, where N is the lengths.
7. arrays with more than one ordinal values and the max value is not at index 0 nor index N-1.