

# SOFTWARE ENGINEERING HW3 – gr485

Description of the test cases.

- The code is written in avg2.js
- The test cases are written in codespec.spec.js
- There are a total of 13 test cases written, and a brief outline of test cases is as follows.

Testcases:

1. should calculate the average of elements
2. should calculate the standard deviation
3. avgVal and stdevVal properties should be read-only
4. should compute average as NaN for an empty array
5. should compute standard deviation as NaN for an empty array
6. should compute average as the single element value
7. should compute standard deviation as 0 for a single element array
8. should compute average for an array with negative numbers
9. should compute standard deviation for an array with negative numbers
10. should compute average as NaN for an array with non-numeric values
11. should compute standard deviation as NaN for an array with non-numeric values
12. should compute average for an array with zero variance
13. should compute standard deviation as 0 for an array with zero variance

```
● gayathri@nbp-75-237 SE_3-gr485 % node avg2.js
9.25
4.031128874149275
● gayathri@nbp-75-237 SE_3-gr485 % npx jasmine /Users/gayathri/Desktop/SE_3-gr485/codespec.spec.js

9.25
4.031128874149275
Randomized with seed 21384
Started
*****

13 specs, 0 failures
Finished in 0.003 seconds
Randomized with seed 21384 (jasmine --random=true --seed=21384)
```