















```
~/Documents/CS/Code_Coverage_Example on nyc > npm install --save-dev nyc
```

> npm run coverage

> code\_coverage\_example@1.0.0 coverage

> nyc --clean jest --coverage

**PASS** ./merge.test.js

- ✓ Merge w/ two empty lists (1 ms)
- ✓ Merge w/ an empty list and a non-empty list
- ✓ Merge w/ an empty list and a non-empty list (1 ms)
- ✓ Merge w/ two non-empty lists
- ✓ Merge sort with a empty list
- ✓ Merge sort with a list of a single element
- ✓ Merge sort with a list of two elements
- ✓ Merge sort with a list of sorted elements
- ✓ Merge sort with a list of where the first half is sorted (1 ms)
- ✓ Merge sort with a list of where the second half is sorted
- ✓ Merge sort where all elements are unsorted

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	100	100	100	100	
merge.js	100	100	100	100	

Test Suites: 1 passed, 1 total

Tests: 11 passed, 11 total

Snapshots: 0 total

Time: 0.277 s

Ran all test suites.

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	0	0	0	0	

~/Doc/CS/Code\_Coverage\_Example on nyc !2 > █

```
1  {
2    "name": "code_coverage_example",
3    "version": "1.0.0",
4    "description": "Example Code Example using Istanbul Code Coverage",
5    "license": "ISC",
6    "author": "Brian Kwong",
7    "type": "commonjs",
8    "main": "merge.js",
9    "scripts": {
10     "test": "jest",
11     "coverage": "nyc --clean jest --coverage"
12   },
13   "devDependencies": {
14     "jest": "^29.7.0",
15     "nyc": "^17.1.0"
16   }
17 }
18
```

package.json

You, 15 hours ago • 1



# Coverage w/ Istanbul (NYC)

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```
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6   "author": "Brian Kwong",
7   "type": "commonjs",
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14    "jest": "^29.7.0",
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```
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> code_coverage_example@1.0.0 coverage
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PASS ./merge.test.js
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File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	100	100	100	100	
merge.js	100	100	100	100	

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Test Suites: 1 passed, 1 total
Tests: 11 passed, 11 total
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Time: 0.277 s
Ran all test suites.
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- Install nyc as a development-only dependency through npm.
- Update your package.json with a coverage script telling nyc to call your testing script.
- Run `npm run <coverage script name>` to generate a coverage report.





