JAVASCRIPT

THE FOUR TYPES OF TESTS

End to End

A helper robot that behaves like a user to click around the app and verify that it functions correctly.

Sometimes called "functional testing" or e2e.

Integration

Verify that several units work together in harmony.

Unit

Verify that individual, isolated parts work as expected.

Static

Catch typos and type errors as you write the code.

FRAMEWORKS

https://2019.stateofjs.com/testing

JEST

Documentation: https://jestjs.io

```
function sum(a, b) {
  return a + b;
}
module.exports = sum;
```

```
const sum = require('./sum');

describe(‘Sum’, () => {
  it('adds 1 + 2 to equal 3', () => {
    expect(sum(1, 2)).toBe(3);
  });
});
```

PUBLISH PACKAGE TO NPM

- Create npm account - https://www.npmjs.com/signup.
- Login in your command line - **npm login**.
- Create new folder & move to it & run - **npm init**.
- Write your code.
- Publish your package - **npm publish**.