DEVHINTS.IO

Jest cheatsheet

A quick overview to Jest, a test framework for Node.js. This guide targets Jest v20.

Quick start

```
/* Add to package.json */
"scripts": {
  "test": "jest"
}
```

```
# Run your tests
npm test -- --watch
```

See: Getting started

Skipping tests

```
describe.skip(···)
it.skip(···) // alias: xit()
```

See: test.skip

Writing tests

```
describe('My work', () => {
  test('works', () => {
    expect(2).toEqual(2)
  })
})
```

See: describe(), test(), expect()

Setup

```
beforeEach(() => { ... })
afterEach(() => { ... })
```

```
beforeAll(() => { ... })
```

⨍ Expect

Basic expectations

```
expect(value)
  .not
  .toBe(value)
  .toEqual(value)
  .toBeTruthy()
```

Note that toEqual is a deep equality check. See: expect()

Objects

```
expect(value)
  .toBeInstanceOf(Class)
  .toMatchObject(object)
  .toHaveProperty(keyPath, value)
```

Others

```
expect.extend(matchers)
expect.any(constructor)
expect.addSnapshotSerializer(serializer)

expect.assertions(1)
```

Snapshots

```
expect(value)
  .toMatchSnapshot()
```

Booleans

```
expect(value)
  .toBeFalsy()
  .toBeNull()
  .toBeTruthy()
  .toBeUndefined()
  .toBeDefined()
```

Objects

```
expect(value)
  .toContain(item)
  .toContainEqual(item)
  .toHaveLength(number)
```

♯ More features

Asynchronous tests

```
test('works with promises', () => {

  ...
 })
})
```

Snapshots

```
it('works',
  const outp

})
```

First run create

```
test('works with async/await', async () => {

  ...

})
```

```
import rende
```

```
it('works',
```

Return promises, or use async/await. See: Async tutorial

Timers

```
jest.useFakeTimers()
```

```
re
```

```
it('works', () => {
  jest.runOnlyPendingTimers()
  jest.runTimersToTime(1000)
  jest.runAllTimers()
})
```

```
en
```

See: Timer Mocks

ǂ Mock functions

Mock functions

```
const fn = jest.fn()
```

```
const fn = jest.fn(n => n * n)
```

See: Mock functions

Assertions

```
expect(fn)
    .toHaveBee
    .toHaveBee
    .toHaveBee
    .toHaveBee
```

```
expect(fn)
    .toHaveBee
    .toHaveBee
    .toHaveBee
```

Instances

```
const Fn = jest.fn()

a = new Fn()
b = new Fn()
```

```
ee
ee
ee
```

Calls

```
                                                                        const fn = j
    // → [a, b]                                                         fn(123)
                                                                        fn(456)
```

See: .mock property

Return values

```
const fn = jest.fn(() => 'hello')
```

or:

```
jest.fn().mockReturnValue('hello')
jest.fn().mockReturnValueOnce('hello')
```

Mock implem

```
const fn = j



fn()     // →
fn()     // →
```

⫢ References

http://facebook.github.io/jest/

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