

Unit Testing

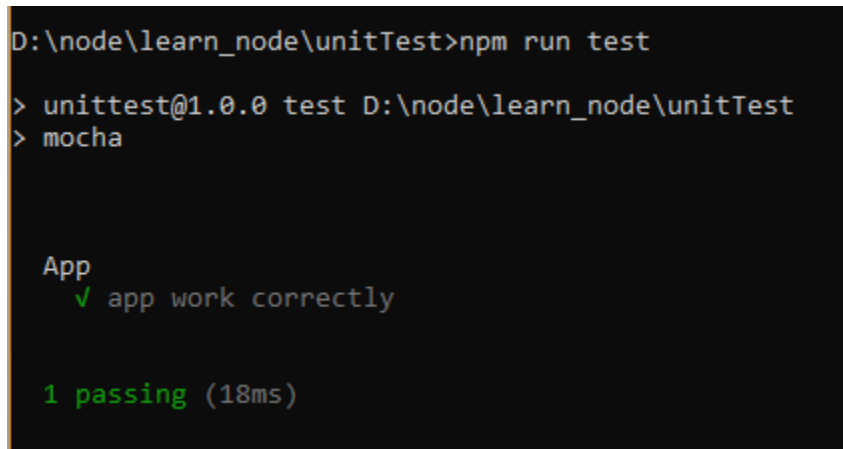
Testing aplikasi Node.js dengan Mocha

Test 1



```
package.json x app.js x appTest.js x
1  const assert = require('chai').assert;
2  const app = require('../app');
3
4  describe('App', function(){
5      it('app work correctly', function(){
6          assert.equal(app(), 'hello');
7      });
8  });
```

Hasil



```
D:\node\learn_node\unitTest>npm run test
> unittest@1.0.0 test D:\node\learn_node\unitTest
> mocha

App
  ✓ app work correctly

1 passing (18ms)
```

Test 2

```
package.json x app.js x appTest.js x
1  const assert = require('chai').assert;
2  const sayTesting = require('../app').sayTesting;
3  const addNumbers = require('../app').addNumbers;
4
5  describe('App', function(){
6      it('Testing return text', function(){
7          let result = sayTesting();
8          assert.equal(result, 'First Test');
9      });
10
11     it('Testing return type string', function(){
12         let result = sayTesting();
13         assert.typeOf(result, 'string');
14     });
15
16     it('Testing addNumbers return 5', function(){
17         let result = addNumbers(5,5);
18         assert.isAbove(result, 5);
19     });
20
21     it('Testing addNumbers return type number', function(){
22         let result = addNumbers(5,5);
23         assert.typeOf(result, 'number');
24     });
25 });
```

Hasil:

```
D:\node\learn_node\unitTest>npm run test
> unittest@1.0.0 test D:\node\learn_node\unitTest
> mocha

App
  ✓ Testing return text
  ✓ Testing return type string
  ✓ Testing addNumbers return 5
  ✓ Testing addNumbers return type number

4 passing (16ms)
```