


```
1 const assert = require('chai').assert;
2 const add = require('../app/calculator').add;
3 const mul = require('../app/calculator').mul;
4 const div = require('../app/calculator').div;
5 const sub = require('../app/calculator').sub;
```

```
8 describe('App', function () {
9
10   describe('Add', function () {
11
12     it('Expected result 7 PASS', function () {
13       let result = add(5, 2)
14       assert.equal(result, 7)
15     })
16
17     it('Expected result 8 FAIL', function () {
18       let result = add(5, 2)
19       assert.equal(result, 8)
20     })
21   })
22
23   describe('Sub', function () {
24
25     it('Expected result 3 PASS', function () {
26       let result = sub(5, 2)
27       assert.equal(result, 3)
28     })
29
30     it('Expected result 5 FAIL', function () {
31       let result = sub(5, 2)
32       assert.equal(result, 5)
33     })
34   })
35
36 })
```

```
1 exports.add = function(i, j) {
2   return i + j;
3 };
4
5 exports.mul = function(i, j) {
6   return i * j;
7 };
8
9 exports.div = function(i, j) {
10   return i / j;
11 };
12
13 exports.sub = function(i, j) {
14   return i - j;
15 };
```

```
32   result = sub(5, 2)
33   assert.equal(result, 5)
34 })
35
36 })
37
38
39 describe('Mul', function () {
40
41   it('Expected result 10 PASS', function () {
42     let result = mul(5, 2)
43     assert.equal(result, 10)
44   })
45
46   it('Expected result 12 FAIL', function () {
47     let result = mul(5, 2)
48     assert.equal(result, 12)
49   })
50
51 })
52
53
54 describe('Div', function () {
55
56   it('Expected result 5 PASS', function () {
57     let result = div(10, 2)
58     assert.equal(result, 5)
59   })
60
61   it('Expected result 2 FAIL', function () {
62     let result = div(10, 2)
63     assert.equal(result, 2)
64   })
65
66 })
67
68 })
```



```
1  exports.add = function(i, j) {
2    return i + j;
3  };
4
5  exports.mul = function(i, j) {
6    return i * j;
7  };
8
9  exports.div = function(i, j) {
10   return i / j;
11 };
12
13 exports.sub = function(i, j) {
14   return i - j;
15 };
```