

Node HW 2 (Simple Calculator)

App.js

```
const express = require('express');
const bodyParser = require('body-parser');
const calculator = require('./calculateModule');
const path = require('path');

const app = express();
app.use(bodyParser.urlencoded({ extended: true }));

const port = 3000;
app.use(express.static('public'));

app.get('/', function(req, res) {
  res.sendFile(path.join(__dirname, '/public/simpleadder.html'));
});

app.post('/calculate', function(req, res) {
  const first = parseFloat(req.body.first);
  const second = parseFloat(req.body.second);

  const operation = req.body.operation;
  var output = 'couldn\'t calculate!';
  switch (operation) {

    case 'multiply':
      output = calculator.multiply(first, second);
      break;
    case 'divide':
      output = calculator.divide(first, second);
      break;
    case 'add':
      output = calculator.add(first, second);
      break;
    case 'subtract':
```

```

        output = calculator.subtract(first, second);
        break;
    }

    res.writeHead(200, { 'Content-Type': 'text/html' });
    res.write('The Answer is: ' + output);
    res.write('<br>');
    res.write(' <a href="/simpleadder.html">Another calculation</a>');
    res.end();

});

app.listen(port, function() {
    console.log('Example app listening on port ${port}!')
});

```

calculateModule.js

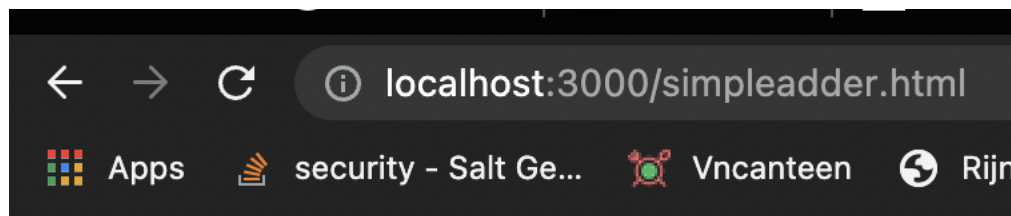
```

module.exports = {
    multiply: function(a, b) {
        return a * b;
    },
    add: function(a, b) {
        return a + b;
    },

    subtract: function(a, b) {
        return a - b;
    },
    divide: function(a, b) {
        return a / b;
    }
};

```

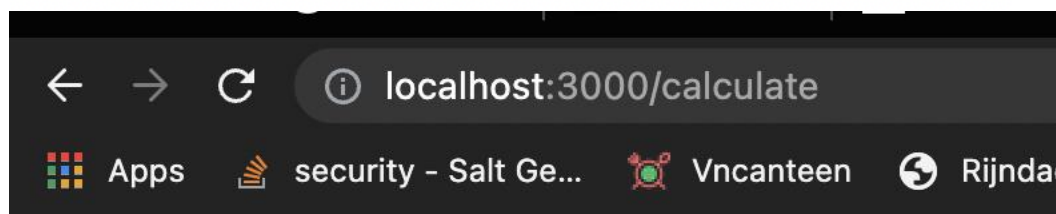
Addition output :



Enter two numbers

Add ▼

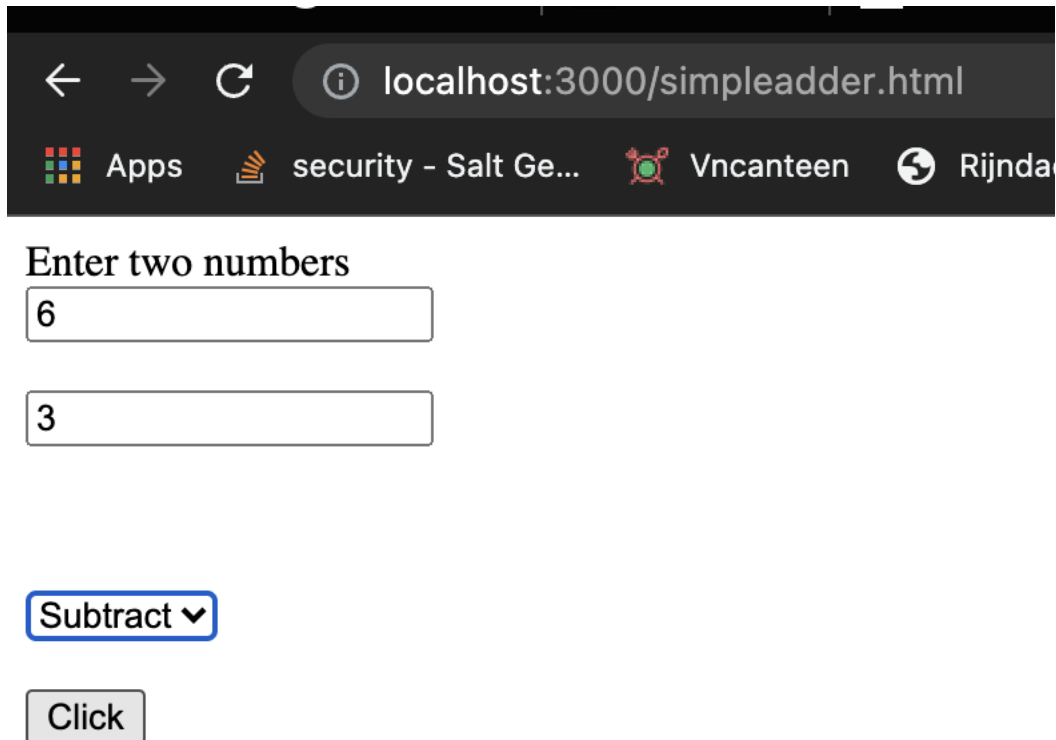
Click



The Answer is: 20

[Another calculation](#)

Subtraction output



A screenshot of a web browser window. The address bar shows 'localhost:3000/simpleadder.html'. The browser's tab bar includes 'Apps', 'security - Salt Ge...', 'Vncanteen', and 'Rijndael'. The page content includes the text 'Enter two numbers', two input fields containing '6' and '3', a dropdown menu with 'Subtract' selected, and a 'Click' button.

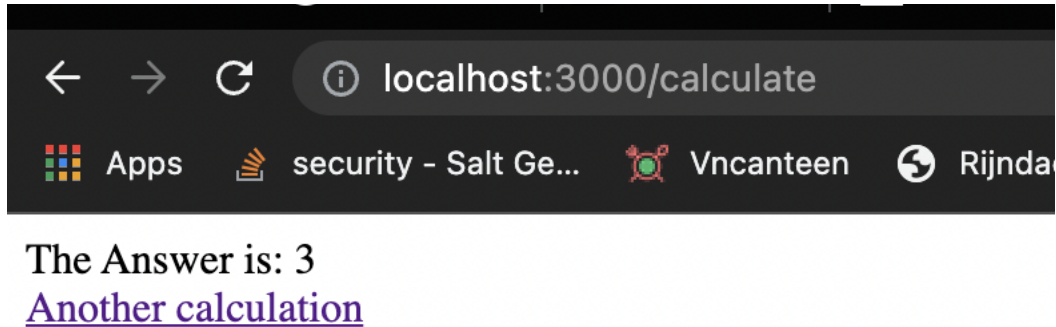
Enter two numbers

6

3

Subtract ▼

Click

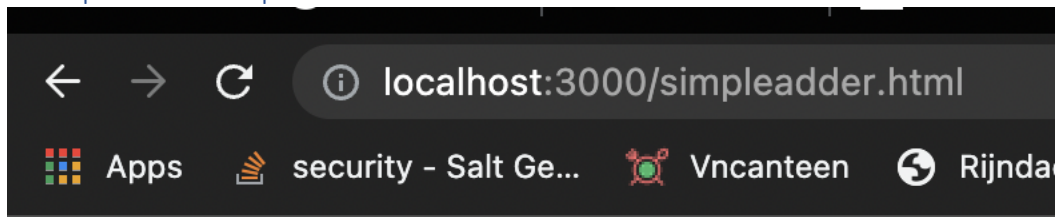


A screenshot of a web browser window. The address bar shows 'localhost:3000/calculate'. The browser's tab bar includes 'Apps', 'security - Salt Ge...', 'Vncanteen', and 'Rijndael'. The page content displays 'The Answer is: 3' followed by a purple underlined link 'Another calculation'.

The Answer is: 3

[Another calculation](#)

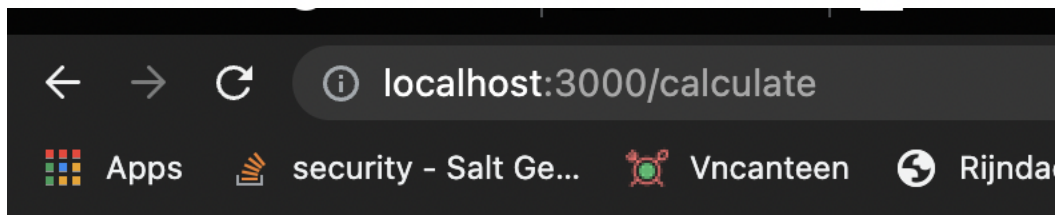
Multiplication Output



Enter two numbers

Multiply ▼

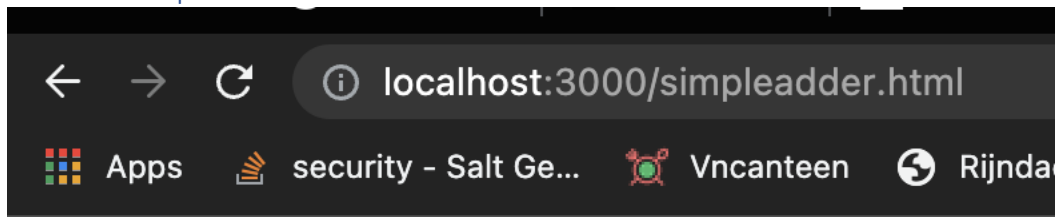
Click



The Answer is: 25

[Another calculation](#)

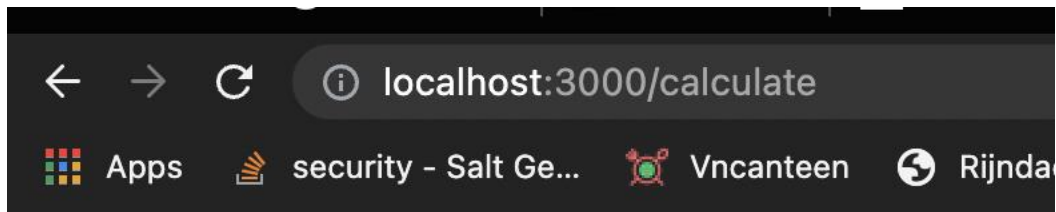
Division Output



Enter two numbers

Divide ▼

Click



The Answer is: 2

[Another calculation](#)