# 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 :

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

## Subtraction output

Graphical user interface, text, application, website

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

## Multiplication Output

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

## Division Output

Graphical user interface, text, application, website

Description automatically generated

Graphical user interface, text, application, chat or text message

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