N1.

*calculator.js*

var express = require('express');

var bodyParser = require('body-parser');

const calculatorMod = require('./calculateModule');

const app = express();

const urlencodedParser = bodyParser.urlencoded({extended: true});

app.post('/calculate', urlencodedParser, function(req, res, next) {

res.send(

`<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="css/style-calculator.css">

<title>Simple Calculator - Nega Mogassa</title>

</head>

<body>

<div class="container">

<div class="center">

<div class="card border-calc">

<h1>Simple Calculator</h1>

<p>The Answer is: <strong>${calculatorMod.calculate(req.body.n1, req.body.n2, req.body.operation)}</p>

<a href="/">Another calculation</a>

</div>

</div>

</div>

</body>

</html>`

);

});

app.get('/', function(req, res, next) {

res.send(

`<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="css/style-calculator.css">

<title>Simple Calculator - Nega Mogassa</title>

</head>

<body>

<div class="container">

<div class="center">

<div class="card border-calc">

<h1>Simple Calculator</h1>

<form action="calculate" method="post">

<input type="text" name="n1"> <br>

<input type="text" name="n2"> <br>

Operation

<select name="operation">

<option value="add">Add</option>

<option value="subtruct">Subtract</option>

<option value="multiply">Multiply</option>

<option value="divid">Divid</option>

</select> <br>

<input type="submit" value="Calculate">

</form>

</div>

</div>

</div>

</body>

</html>`

);

});

app.use('/css', express.static('css'));

app.use((req, res, next) => res.status(404).send('404, Page could not be found :('+req.url));

app.listen(8080, () => console.log('Server is running on port 8080'));

*// calculatorModule.js*

exports.calculate = (n1, n2, operation) => {

switch (operation) {

case 'add':

return parseInt(n1) + parseInt(n2);

case 'subtruct':

return parseInt(n1) - parseInt(n2);

case 'multiply':

return parseInt(n1) \* parseInt(n2);

default:

return parseInt(n1) / parseInt(n2);

}

}

*// https://nagaadev.github.io/css/style-calculator.css*};

Output

