**Simple Calculator Lab - using the node.js Express Framework**

**//Calculator.html**

<html>

<head>

    <title>Simple Calculator Using Express Framework</title>

</head>

<body>

    <form method="POST" action="/">

        <div>

            <h3> Simple Calculator using Node js and Express </h3>

            Please Enter two numbers and select an operation <br>

            <input type="text" name="first" /><br />

            <input type="text" name="second" /><br />

            <select name="oprtr">

                <option value="+"> + (Addition)</option>

                <option value="-"> - (Subtraction)</option>

                <option value="\*"> \* (Multiplication)</option>

                <option value="/"> / (Division)</option>

            </select>

            <br>

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

        </div>

    </form>

</body>

</html>

**//calculator.js**

const express = require('express')

const bodyparser = require('body-parser')

const { userInfo } = require('os')

const app = express()

app.use(bodyparser.urlencoded({ extended: true }))

app.get('', (req, res) => {

    res.sendFile(\_\_dirname + "/calculator.html")

})

app.post('/', (req, res) => {

    const num1 = parseInt(req.body.first);

    const num2 = parseInt(req.body.second);

    const opr = req.body.oprtr;

    switch (opr) {

        case '+':

            res.send("The Result is : " + (num1 + num2));

            break;

        case '-':

            res.send("The Result is : " + (num1 - num2));

            break;

        case '\*':

            res.send("The Result is : " + (num1 \* num2));

            break;

        case '/':

            res.send("The Result is : " + (num1 / num2));

            break;

        default:

            break;

    }

})

app.listen(3000, (res) => {

    console.log('Successfully started express application!')

})

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