```javascript
1   const express = require('express');
2   const bodyParser = require('body-parser');
3   const app = express();
4
5   app.use(bodyParser.urlencoded({ extended: true }))
6
7   app.get("/", (req, res) => {
8       // console.log(__dirname);
9       res.sendFile(__dirname + "/index.html")
10  });
11
12  app.post("/", (req, res) => {
13      // console.log(req.body);
14      const selectedValue = req.body.mathOperation;
15
16      const firstNum = Number(req.body.num1);
17      const secondNum = Number(req.body.num2);
18
19      let returnValue = "";
20      // console.log(firstNum);
21      // console.log(secondNum);
22      // console.log("val -> " + selectedValue);
23
24      switch (selectedValue) {
```

```
❯ ls
calculator.png    comprologo.png    index.html        mathoperation.js mystyle.css
❯ node mathoperation.js
listening on port 8080
```

```javascript
24        switch (selectedValue) {
25            case 'add':
26                returnValue = firstNum + secondNum;
27                break;
28            case 'subtract':
29                returnValue = firstNum - secondNum;
30                break;
31            case 'multiply':
32                returnValue = firstNum * secondNum;
33                break;
34            case 'divide':
35                returnValue = firstNum / secondNum;
36                break;
37        }
38        res.send(`
39        <div>
40        <p>The final result is: ${returnValue} </p> <br>
41        <a href ="/">Another Calculation </a>
42        </div> `
43        );
44    });
45
46    app.listen(8000, () => { console.log("listening on port 8080") });
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**

```
❯ ls
calculator.png    comprologo.png    index.html        mathoperation.js mystyle.css
❯ node mathoperation.js
listening on port 8080
```

```html
<!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">
    <title>Simple Calculator</title>

    <link rel="icon" type="image/x-icon" href="calculator.png">
    <!-- <link rel="stylesheet" href="./mystyle.css"> -->
    <style>
        #maindiv {
            margin: auto;
            width: 20%;
            border: 2px solid #73AD21;
            border-radius: 10px;
            padding: 40px;
            background-color: azure;
            font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;
            font-size: 20px;
            height: fit-content;
        }

        h2 {
            text-align: center;
        }

        body {
            background-image: url('./comprologo.png');
            height: 100%;
            width: 100%;
            background-repeat: no-repeat;
```

```html
        }

        body {
            background-image: url('./comprologo.png');
            height: 100%;
            width: 100%;
            background-repeat: no-repeat;
        }

        button {
            color: black;
            font-size: 18px;
            margin: auto;
            display: flex;
            justify-content: center;
            align-items: center;
        }
    </style>
</head>

<body>
    <h2>Simple Calculator</h2>
    <div id="maindiv">

        <form method="post">

            <div>
                <label>Number1:</label>
                <input type="text" id="num1" name="num1">
            </div>
            <br />

            <div>
                <label>Number2:</label>
```

index.html   JS mathoperation.js   # mystyle.css

Labs13 > <> index.html > ❮❯ html

```html
47  <body>
48      <h2>Simple Calculator</h2>
49      <div id="maindiv">
50          <form method="post">
51              <div>
52                  <label>Number1:</label>
53                  <input type="text" id="num1" name="num1">
54              </div>
55              <br />
56              <div>
57                  <label>Number2:</label>
58                  <input type="text" id="'num2" name="num2">
59              </div>
60              <br />
61              <div>
62                  <label for="operation">Select operation:</label>
63                  <select name="mathOperation">
64                      <option>--Select</option>
65                      <option value="add">Add</option>
66                      <option value="subtract">Subtract</option>
67                      <option value="multiply">Multiply</option>
68                      <option value="divide">Divide</option>
69                  </select>
70              </div>
71              <br />
72              <div>
73                  <button type="submit">Submit</button>
74              </div>
75          </form>
76      </div>
77  </body></html>
```

main   ⊗ 0 ⚠ 0   🕐 52 mins   Ln 77, Col 9   Spaces: 4   UTF-8   LF   HTML   Go Live

localhost:8000

Simple Calculator

Number1: [_____]

Number2: [_____]

Select operation: [--Select ▾]

[Submit]

Simple Calculator

Number1: `2`

Number2: `3`

Select operation: --Select ✓

- --Select
- Add
- Subtract
- Multiply
- Divide

Subr

---

localhost:8000

The final result is: -1

[Another Calculation](#)