

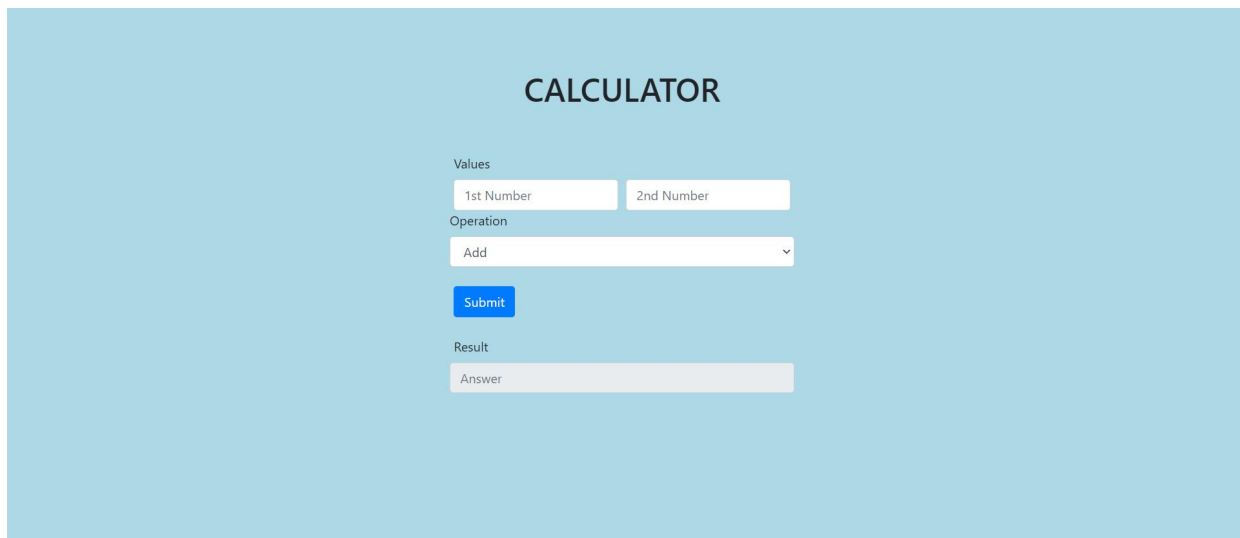
SL LAB 11

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Github Link -: [HTTP://github.com/rhysrahman/sl-lab11.git](http://github.com/rhysrahman/sl-lab11.git)

Output



The image shows a web-based calculator interface with a light blue background. The title "CALCULATOR" is centered at the top. Below the title, there are two input fields labeled "1st Number" and "2nd Number". Below these is a dropdown menu labeled "Operation" with "Add" selected. A blue "Submit" button is positioned below the dropdown. At the bottom, there is a result section labeled "Result" with a text box containing the word "Answer".

CALCULATOR

Values

1st Number 2nd Number

Operation

Add

Submit

Result

Answer

index.html

D: > download 3 > sllab-11-master > sllab-11-master > <> index.html > ...

```
1  <!DOCTYPE html>
2  <html>
3    <head>
4      <title>Calculator</title>
5      <link
6        rel="stylesheet"
7        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
8        integrity="sha384-ggOyR0iXCbMQV3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
9        crossorigin="anonymous"
10     />
11     <script
12       src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
13       integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
14       crossorigin="anonymous"
15     ></script>
16     <link rel="stylesheet" href="style.css" />
17     <script>
18       let oper = "+";
19       let num1, num2;
20       console.log(oper);
21       $(document).ready(function () {
22         $("select.operator").change(function () {
23           let tempOper = $(this).children("option:selected").val();
24           oper = tempOper;
25           console.log(oper);
26         });
27       });
28       function Calculate() {
29         num1 = parseInt(document.getElementById("number1").value);
30         num2 = parseInt(document.getElementById("number2").value);
31         console.log(num1);
32         console.log(num2);
33         let result;
34         if (oper == "+") {
35           result = num1 + num2;
36         } else if (oper == "-") {
37           result = num1 - num2;
38         } else if (oper == "*") {
```

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```
38     } else if (oper == "*") {
39         result = num1 * num2;
40     } else if (oper == "/") {
41         result = num1 / num2;
42     }
43     console.log(result.toString());
44     document.getElementById("finalResult").value = result.toString();
45 }
46 </script>
47 </head>
48
49 <body style="width: 100%; height: 100%; background-color: #add8e6">
50     <div class="container-fluid" style="text-align: center; padding-top: 5%">
51         <h1>CALCULATOR</h1>
52         <br />
53         <br />
54     </div>
55     <div
56         class="container-fluid d-flex justify-content-center align-items-center"
57     >
58         <form>
59             <label for="numbers">Values</label>
60             <div class="form-row" id="numbers">
61                 <div class="col">
62                     <input
63                         type="number"
64                         class="form-control"
65                         placeholder="1st Number"
66                         id="number1"
67                     />
68                 </div>
69                 <div class="col">
70                     <input
71                         type="number"
72                         class="form-control"
73                         placeholder="2nd Number"
74                         id="number2"
75                     />
```

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```
74         id="number2"
75     />
76 </div>
77 </div>
78 <div class="form-row">
79     <label for="operator">Operation</label>
80     <select class="form-control operator" id="operator">
81         <option value="+>Add</option>
82         <option value="->Subtract</option>
83         <option value="*>Multiply</option>
84         <option value="/>Divide</option>
85     </select>
86 </div>
87 <br />
88 <div class="form-row">
89     <div class="col">
90         <button type="button" class="btn btn-primary" onclick="Calculate()">
91             Submit
92         </button>
93     </div>
94 </div>
95 <br />
96 <label for="result">Result</label>
97 <div class="form-row" id="result">
98     <input
99         class="form-control"
100         type="text"
101         placeholder="Answer"
102         id="finalResult"
103         readonly
104     />
105 </div>
106 </form>
107 </div>
108
109 <script
110     src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
111     integrity="sha384-U02eT0CpHqQdSjQ6hJty5KVphtPhzWj9W01cllHTMGA3JDZwrnQq4sF86dIHNDz0w1"
112     crossorigin="anonymous"
113 ></script>
114 <script
115     src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
116     integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaEfF/nJGzIxFDsf4x0xIM+B07jRM"
117     crossorigin="anonymous"
118 ></script>
119 </body>
120 </html>
121
```

App.js

D: > download 3 > slab-11-master > slab-11-master > JS app.js > ...

```
1  |//jshint esversion:6
2  const express = require("express");
3  const bodyParser = require("body-parser");
4  const app = express();
5  app.use(bodyParser.urlencoded({ extended: true }));
6
7  app.get("/", function (req, res) {
8    | res.sendFile(__dirname + "/index.html");
9  });
10
11 app.post("/", function (req, res) {});
12
13 app.listen(3000, function () {
14   | console.log("Server started on port 3000");
15   | console.log("Visit localhost:3000 in your web browser");
16 });
17
```