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5/12/2022
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Calcuator Assignment

Main page html:

```
<? calcuLater.html > <? html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="stylesheet" href="/css/calculate.css"/>
8      <title>Calcu-Later</title>
9  </head>
10 <body>
11     
12     <div id="container">
13         <form method="post">
14             <input type="text" id="numBox" name="firstNum">
15             <select name="operation" id="opr">
16                 <option value="mul">*</option>
17                 <option value="div">/</option>
18                 <option value="sub">-</option>
19                 <option value="add">+</option>
20             </select>
21             <input type="text" id="numBox" name="secondNum"><br>
22             <button type="submit">Calcul8</button>
23         </div>
24     </form>
25     <script src="/js/calcuLater.js"></script>
26 </body>
27 </html>
```

Main Page output:

Calcu
L8R

	* v	
Calcul8		

Calculator Assignment

CSS Code:

```
public > css > # calculate.css > #numBox
1  #container{
2      text-align: center;
3      width:40%;
4      height:40%;
5      margin-left: auto;
6      margin-right: auto;
7      border-style: dotted;
8      border-width: 2px;
9      padding: 5px 5px 5px 5px;
10 }
11 #numBox{
12     width: 50px;
13     height: 50px;
14     font-size: larger;
15     text-align: center;
16 }
17 #number{
18     display:grid;
19     text-align: center;
20 }
21 #opr{
22     width:40px;
23     height:40px;
24     font-size: larger;
25 }
26 img{
27     width: 20%;
28     display:block;
29     margin-left: auto;
30     margin-right: auto;
31 }
32 #submitButt{
33     width: 100px;
34     display:block;
35     margin-left: auto;
36     margin-right: auto;
37 }
38
39 #retMen{
40     text-align: center;
41 }
```

Calculator JS Code:

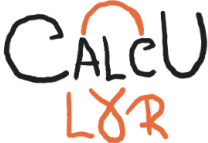
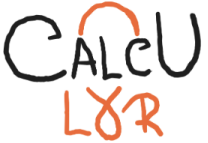
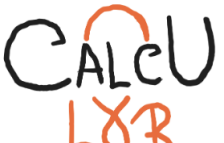

```
JS calculater.js > app.post('/') callback
1  const express = require('express');
2  const bodyParser=require('body-parser');
3  const app = express();
4
5  app.use(bodyParser.urlencoded({extended:true}))
6  app.use(express.static(__dirname + '/public'));
7  app.set("view engine","ejs");
8
9  app.get('/', (req, res) => {
10     res.sendFile(__dirname+'/calculater.html')
11 });
12
13 app.post('/',(req,res)=>{
14     const opr = req.body.operation;
15     const n1=Number(req.body.firstNum);
16     const n2=Number(req.body.secondNum);
17     let retVal=""
18     let oper=""
19
20     switch(opr){
21         case 'mul':
22             retVal=(n1*n2).toString()
23             oper="product";
24             break;
25         case 'div':
26             retVal=(n1/n2).toString()
27             oper="quotient";
28             break;
29         case 'sub':
30             retVal=(n1-n2).toString();
31             oper="difference";
32             break;
33         case 'add':
34             retVal=(n1+n2).toString();
35             oper="sum";
36             break;}
37     res.render('computation',{op:oper, re:retVal})
38 });
39 app.listen(3000, () => {console.log('Serving is running in 3000.')});
```

Calculator Assignment

Result page HTML (I know this was not required but I added this route as well for practice):

```
views > <> computation.ejs > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" href="/css/calculate.css"/>
8   <title>Computation</title>
9 </head>
10 <body>
11   
12   <div id="container">
13     <div>
14       <h1>The <%=locals.op%> is <%=locals.re%></h1>
15     </div>
16     <a id="retMen" href="/">Return to Menu</a>
17   </div>
18 </body>
19 </html>
```

Result page output:

 The product is 42 Return to Menu	 The sum is 42 Return to Menu
 The quotient is 42 Return to Menu	 The difference is 42 Return to Menu