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Subject code & Name	:	**CSE304 & Full Stack Development**	Practical	:		Academic Year	:	**2025-26**

Practical 12

Aim

You're building a simple web-based calculator for kids. Create a form where users enter two numbers. Use Express JS to perform basic operations: add, subtract, multiply, divide. Display the result on the screen. Ensure invalid inputs (like letters) are handled properly.
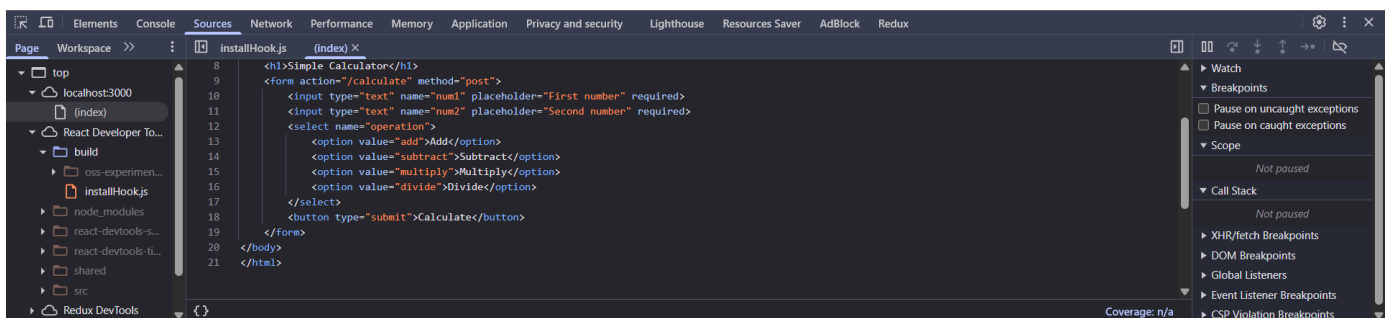
Code

GitHub Repository Link:

https://github.com/KathanModh259/Full-Stack-Development/tree/master/Practical%2012

Output

12.1 Enter Values

Simple Calculator

| 23 | 560 | Add ⌄ | Calculate |

```
8      <h1>Simple Calculator</h1>
9      <form action="/calculate" method="post">
10         <input type="text" name="num1" placeholder="First number" required>
11         <input type="text" name="num2" placeholder="Second number" required>
12         <select name="operation">
13             <option value="add">Add</option>
14             <option value="subtract">Subtract</option>
15             <option value="multiply">Multiply</option>
16             <option value="divide">Divide</option>
17         </select>
18         <button type="submit">Calculate</button>
19     </form>
20 </body>
21 </html>
```
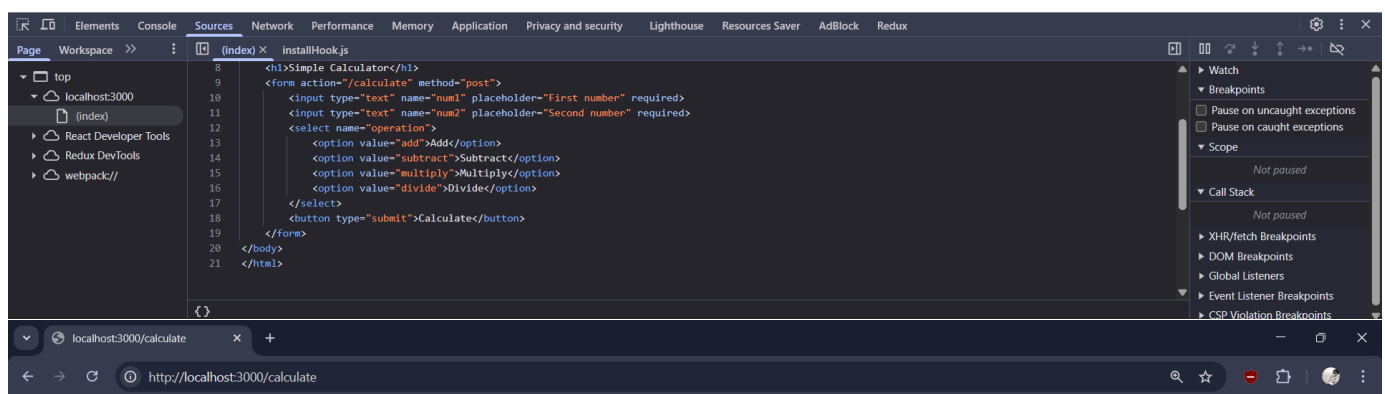
http://localhost:3000/calculate

Result: 583

[Try again](/)

```
1      <h2>Result: 583</h2><a href='/'>Try again</a>
```

12.2 Operation Of Addition with Output in /calculate

Simple Calculator

ffwf | wfe | Add ∨ | Calculate

```
 8        <h1>Simple Calculator</h1>
 9        <form action="/calculate" method="post">
10            <input type="text" name="num1" placeholder="First number" required>
11            <input type="text" name="num2" placeholder="Second number" required>
12            <select name="operation">
13                <option value="add">Add</option>
14                <option value="subtract">Subtract</option>
15                <option value="multiply">Multiply</option>
16                <option value="divide">Divide</option>
17            </select>
18            <button type="submit">Calculate</button>
19        </form>
20    </body>
21    </html>
```
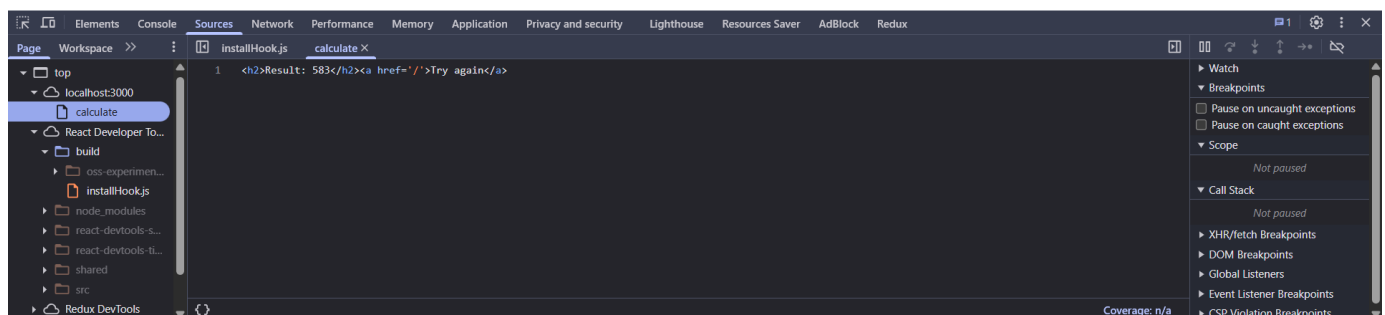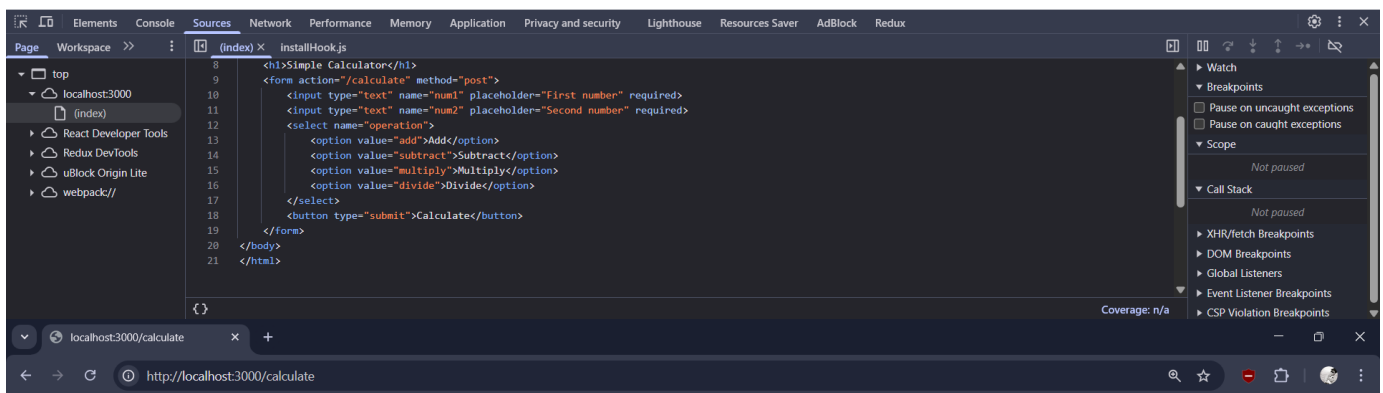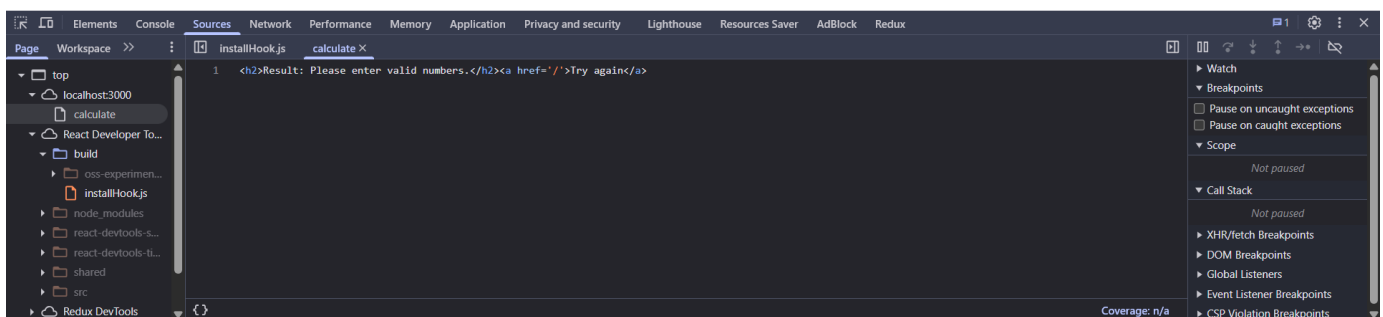
http://localhost:3000/calculate

Result: Please enter valid numbers.

Try again

```
1        <h2>Result: Please enter valid numbers.</h2><a href='/'>Try again</a>
```

12.3 Wrong Data Input with Invalid Numbers Output