1. Create a Basic Calculator (Addition Subtraction,multiplication,Division)

Calculator.html

```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" />
    <script src="calculator.js"></script>
    <link rel="stylesheet" href="calculator.css" />
    <title>Calculator</title>
  </head>
  <body>
    <div class="calculator-body">
      <h1>Calculator</h1>
      <div>
        <div
          style="
            display: flex;
            justify-content: center;
            align-items: center;
            margin-bottom: 15px;
          "
        >
          <input
            class="inp"
            type="text"
            placeholder="Enter First number"
            id="num1"
          />
          <input
            class="inp"
            type="text"
            placeholder="Enter Second number"
            id="num2"
          />
        </div>
        <div class="btn">
          <input
            class="btn1"
            type="button"
            value="Addition"
            onclick="calculate(1)"
          />
          <input
            class="btn1"
            style="cursor: pointer"
```

```html
              type="button"
              value="Subtraction"
              onclick="calculate(2)"
            />
            <input
              class="btn1"
              style="cursor: pointer"
              type="button"
              value="Division"
              onclick="calculate(3)"
            />
            <input
              class="btn1"
              style="cursor: pointer"
              type="button"
              value="Multiplication"
              onclick="calculate(4)"
            />
            <input
              class="btn1"
              style="cursor: pointer"
              type="button"
              value="Clear"
              onclick="clr()"
            />
          </div>
          <div
            style="display: flex; justify-content: center; align-items: center"
          >
            <input class="inp" type="text" placeholder="Result" id="result" />
          </div>
        </div>
      </div>
    </body>
</html>
```

Calculator.css

```css
.calculator-body{
    display: flex;
    justify-content: center;
    align-items: center;
    flex-direction: column;
    padding: 5px;
    margin: 5px;
    height: 90vh;

}
```

```css
.btn{
    display: flex;
    justify-content: center;
  margin-bottom: 20px;
}

.btn1{
    padding-bottom: 5px;
    margin-bottom: 10px;
    border: 1px rgba(255, 250, 240, 0.212) rgba(0, 0, 0, 0.192);
    border-radius: 5px;
    width: 100px;
    height: 25px;
    background: transparent;
    cursor: pointer;
    margin-right: 10px;
}

.inp{
    text-align: center;
    height:25px;
    border-radius: 5px;
    margin: 10px;
    padding: 8px;
}
```

Calculator.js

```javascript
function calculate(p1){
    let val1 = document.getElementById("num1").value;
    let val2 = document.getElementById("num2").value;
    let res=0
    if (p1 == 1)
    {
        res=parseFloat(val1)+parseInt(val2)
    }
    else if (p1 == 2)
    {
        res=parseFloat(val1)-parseInt(val2)
    }
    else if (p1 == 3)
    {
        res=parseFloat(val1)/parseInt(val2)
    }
    else if (p1 == 4)
    {
        res=parseFloat(val1)*parseInt(val2)
    }
```
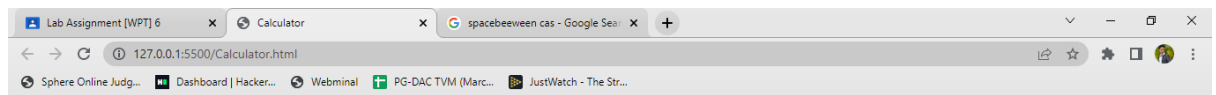
```
        console.log(res)
        document.getElementById('result').value = res;
}

function clr() {
    let res = document.getElementById('result').value = ' ';
    let val1 = document.getElementById("num1").value = ' ';
    let val2 = document.getElementById("num2").value= ' ';
}
```


Calculator

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| Addition | Subtraction | Division | Multiplication | Clear |

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2. Create a Messaging App using html,css,jQuery (WhatsApp demo)

   Chatapp.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" />
    <link rel="stylesheet" href="chatapp.css" />
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-
alpha3/dist/css/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-
KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJOZ"
      crossorigin="anonymous"
    />
    <script src="chatapp.js"></script>
    <title>Document</title>
```

```html
    </head>
  <body>
    <div class="header">
      <div class="container">
        <input
          class="form-control form-control-lg mt-2 mb-2"
          type="text"
          name="message"
          id="msg"
          placeholder="Type message"
        />
        <input
          class="btn btn-sm btn-success w-25"
          type="button"
          value="Send Message"
          onclick="send(false)"
        />
        <input
          class="btn btn-sm btn-success w-25"
          type="button"
          value="Reply Message"
          onclick="send(true)"
        />

        <div id="msgbox"></div>
      </div>
    </div>
  </body>
</html>
```

Chatapp.js

```javascript
function send(p1) {
    let presenttag = document.getElementById('msgbox');
    let exstingvalue = presenttag.innerHTML;

    let boxtag = document.getElementById('msg');
    let message = boxtag.value;

    let position = p1 ? "end" : "start";
    let newValue = `<div class="fs-5 text-success mb-2" style="display: flex;
border-radius: 5px;  justify-content: ${position}"> ${message}</div>`;
    presenttag.innerHTML = newValue + exstingvalue;

    boxtag.value = ' ';
}
```

Chat app.css

```css
body{
    background-image: url('./back.jpg');
}

.header{
   display: flex;
   flex-direction: column-reverse;
   justify-content: flex-start;
}
```