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

Calculator.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>
          style="
            display: flex;
            justify-content: center;
            align-items: center;
            margin-bottom: 15px;
          <input</pre>
            class="inp"
            type="text"
            placeholder="Enter First number"
            id="num1"
          <input</pre>
            class="inp"
            type="text"
            placeholder="Enter Second number"
            id="num2"
        </div>
        <div class="btn">
          <input</pre>
            class="btn1"
            type="button"
            value="Addition"
            onclick="calculate(1)"
          <input</pre>
            class="btn1"
           style="cursor: pointer"
```

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

## Calculator.css

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

```
.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;
```

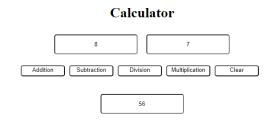
## Calculator.js

```
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= ' ';
}
```







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

## Chatapp.html

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

```
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 = ' ';
}
```

```
body{
    background-image: url('./back.jpg');
}
.header{
    display: flex;
    flex-direction: column-reverse;
    justify-content: flex-start;
}
```

