WPT- LAB ASSIGNMENT – 6

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

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" />
    <title>Document</title>
    <link rel="stylesheet" href="calculator.css" type="text/css" />
    <script src="calculator.js"></script>
  </head>
  <body class="body">
    <div class="container">
      <h1 style="color: white">calculate</h1>
      <input type="text" id="result" class="input" placeholder="0" />
      <br />
      <div>
        <div>
          <input
            type="button"
            value="AC"
            onclick="clearScreen()"
            class="buttonstyle"
          />
          <input
            type="button"
            value="+/-"
            onclick="modulus()"
            class="buttonstyle"
          />
          <input
            type="button"
            value="%"
            onclick="percentage()"
            class="buttonstyle"
          />
          <input
            type="button"
            value="/"
            onclick="display('X')"
            class="symbol"
          />
        </div>

        <div>
          <input
            type="button"
            value="7"
            onclick="display('7')"
```

```html
      class="buttonstyle"
    />
    <input
      type="button"
      value="8"
      onclick="display('8')"
      class="buttonstyle"
    />
    <input
      type="button"
      value="9"
      onclick="display('9')"
      class="buttonstyle"
    />
    <input
      type="button"
      value="X"
      onclick="display('X')"
      class="symbol"
    />
  </div>

  <div>
    <input
      type="button"
      value="4"
      onclick="display('4')"
      class="buttonstyle"
    />
    <input
      type="button"
      value="5"
      onclick="display('5')"
      class="buttonstyle"
    />
    <input
      type="button"
      value="6"
      onclick="display('6')"
      class="buttonstyle"
    />
    <input
      type="button"
      value="-"
      onclick="display('-')"
      class="symbol"
    />
  </div>
  <div>
    <input
      type="button"
      value="1"
      onclick="display('1')"
      class="buttonstyle"
    />
```

```html
        <input
          type="button"
          value="2"
          onclick="display('2')"
          class="buttonstyle"
        />
        <input
          type="button"
          value="3"
          onclick="display('3')"
          class="buttonstyle"
        />
        <input
          type="button"
          value="+"
          onclick="display('+')"
          class="symbol"
        />
      </div>
      <div class="row">
        <input type="button" value="0" onclick="display('0')" class="zero" />
        <input
          type="button"
          value="."
          onclick="display('.')"
          class="buttonstyle"
        />
        <input
          type="button"
          value="="
          onclick="result('=')"
          class="symbol"
          style="margin-left: 20px"
        />
      </div>
    </div>
  </div>
  </body>
</html>
```

CSS :

```css
.buttonstyle{
    background: rgb(121, 119, 119);
    border-radius: 50%;
    justify-items: center;
    align-items: center;
    height: 100px;
    width: 100px;
    margin: 10px;
    font-size: x-large;
    font-weight: 600;
    color: white;
```

```css
}

.symbol{
    background: orange;
    border-radius: 50%;
    justify-items: center;
    align-items: center;
    height: 100px;
    width: 100px;
    margin: 10px;
    font-size: x-large;
    font-weight: 600;
    color: white;
}

.body{
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;
    position: relative;
}

.container{
    background: black;
    display: flex;
    flex-direction: column;
    justify-content: center;
    flex-wrap: wrap;
    align-items: center;
    height: 920px;
    width: 500px;
    border-radius: 20px;
}

.zero{
    background: rgb(121, 119, 119);
    border-radius: 135px;
    justify-items: center;
    align-items: center;
    height: 100px;
    width: 200px;
    margin-top: 15px;
    margin-left: 15px;
    margin-right: 20px;
    font-size: x-large;
    font-weight: 600;
    color: white;
}

input{
    width: 400px;
    height: 200px;
    font-size: 100px;
    border-radius: 30px;
```

```css
    word-wrap: normal;
    word-break: break-all;
}
```

JavaScript :

```javascript
function display(value){
    let existing = document.getElementById("result");
    existing.value += value
}
function result(){
    var num1=document.getElementById("result").value
    var num2=eval(num1);
    document.getElementById("result").value=num2;
}

function calculate() {
    var p = document.getElementById("result").value;

    var q = eval(p);
    document.getElementById("result").value = q;


    }


function clearScreen() {
        document.getElementById("result").value = "";
    }



function percentage(){
    let valuetoconvert = document.getElementById('result').value;
    let percent = (valuetoconvert /100);
    document.getElementById("result").value = percent;
}
```
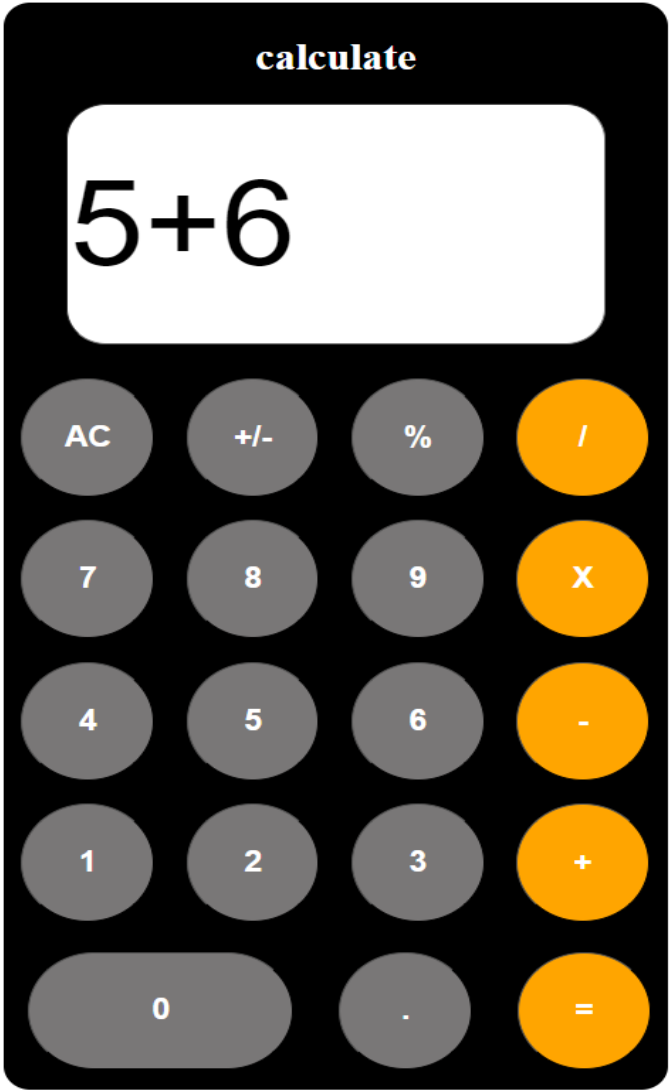
OUTPUT :

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

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" />
    <title>Document</title>
    <link rel="stylesheet" href="messsagingappdemo.css" />
    <script src="messagingappdemo.js"></script>
  </head>
  <body class="body">
    <div class="container">
      <div id="divId"></div>
      <hr />
      <div class="input-container">
        <input
          id="msgId"
          type="text"
          placeholder="write message here"
          class="inputmsg"
        />

        <br />
        <br />

        <input
          id="btnId"
          type="button"
          value="Send message"
          onclick="addnewmsg(false)"
        />
        <input
          id="btnId"
          type="button"
          value="Reply message"
          onclick="addnewmsg(true)"
        />
      </div>
    </div>
  </body>
</html>
```

CSS :

```css
.body{
    display: flex;
    justify-content: center;
}
.container{
    position: relative;
    display: flex;
    flex-direction: column;
    justify-content: end;
    height: 900px;
    width: 1000px;
    border: 2px solid;
    border-radius: 30px;
}

#msgId{
    width: 600px;
    height: 50px;
    margin: 5px;
    border-radius: 20px;
    color: black;
    font-size: large;
}

#btnId{
    width: 150px;
    height:50px;
    margin: 5px;
    border-radius: 20px;
    background: green;
    color: white;
    font-size: large;
}

#divId{
    overflow-y: scroll;
    display: block;
    justify-content: center;
    align-items: center;
    position: relative;
    scroll-behavior: auto;
    border-bottom: 2px solid;
    height: inherit;
}

.input-container{
    display: flex;
    margin: 5px;
    justify-content: center;
    align-items: center;
}
```

JavaScript :

```javascript
function addnewmsg(p1){
    let parentTag = document.querySelector("#divId");
    let existingvalue = parentTag.innerHTML;

    let msgTag = document.querySelector("#msgId");
    let msg = msgTag.value;

    let position = p1 ? "end" : "start";
    let newValue = `<h1 style="display:flex; flex-bottom : 0;justify-content:
${position}">${msg}</h1>`;
    parentTag.innerHTML = existingvalue + newValue ;

    msgTag.value = "";
}
```
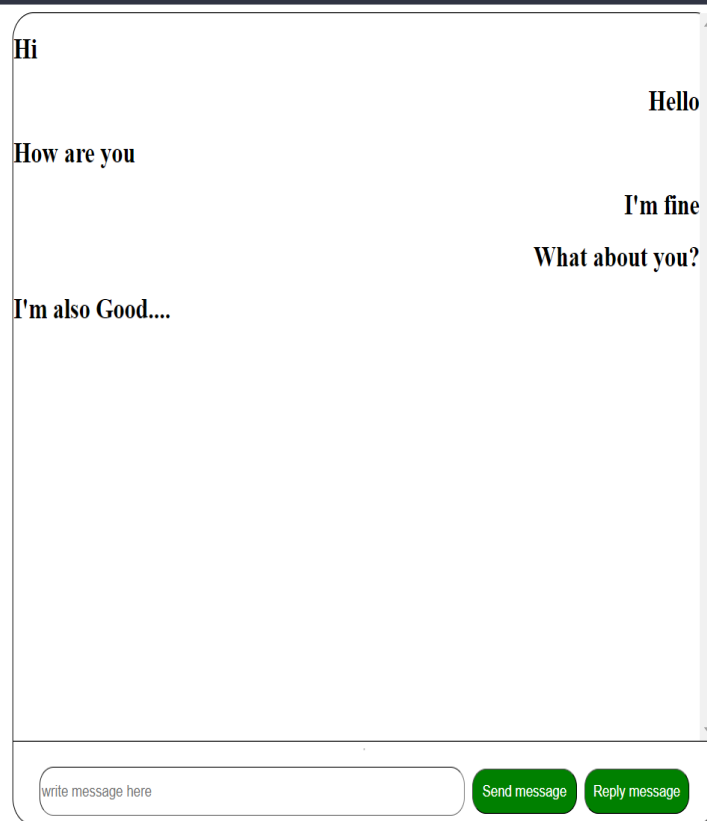
OUTPUT :

Hi

<div align="right">Hello</div>

How are you

<div align="right">I'm fine</div>

<div align="right">What about you?</div>

I'm also Good....

write message here   [Send message] [Reply message]

Q.3. Create Registration page using Bootstrap or CSS

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" />
    <title>Document</title>

    <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"
    />
  </head>
  <body>
    <div
      class="row justify-content-center align-items-center"
      style="height: 100vh"
    >
      <div
        class="col-6 d-flex flex-column justify-content-center align-items-center h-50 bg-black rounded-4"
      >
        <h1 class="bg-primary text-light p-3 rounded-3">Registration</h1>

        <input
          class="form-control form-control-lg mt-2"
          type="text"
          placeholder="Enter username"
        />
        <input
          type="password"
          class="form-control form-control-lg mt-2"
          placeholder="Enter password"
        />

        <input
          type="text"
          class="form-control form-control-lg mt-2"
          placeholder="Enter Email"
        />

        <input
          type="button"
          value="Register"
          class="btn btn-primary mt-2 w-50"
        />
      </div>
    </div>
  </body></html>
```
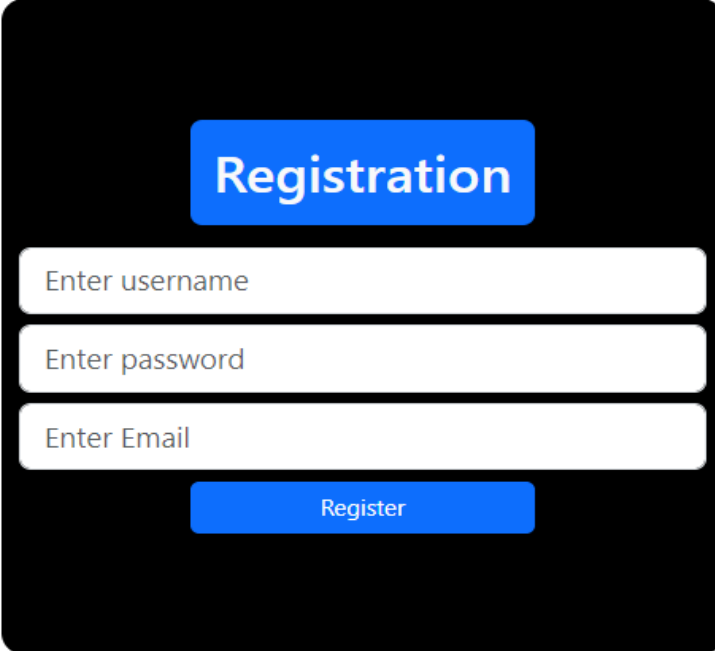
OUTPUT :