WPT- LAB ASSIGNMENT - 6

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

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" />
      <div>
        <div>
          <input</pre>
            type="button"
            value="AC"
            onclick="clearScreen()"
            class="buttonstyle"
          <input</pre>
            type="button"
            value="+/-"
            onclick="modulus()"
            class="buttonstyle"
          <input</pre>
            type="button"
            value="%"
            onclick="percentage()"
            class="buttonstyle"
          <input</pre>
            type="button"
            value="/"
            onclick="display('X')"
            class="symbol"
        </div>
        <div>
          <input</pre>
            type="button"
            value="7"
            onclick="display('7')"
```

```
class="buttonstyle"
  <input</pre>
    type="button"
    value="8"
    onclick="display('8')"
    class="buttonstyle"
  <input</pre>
    type="button"
    value="9"
    onclick="display('9')"
    class="buttonstyle"
  <input</pre>
    type="button"
    value="X"
    onclick="display('X')"
    class="symbol"
</div>
<div>
  <input</pre>
    type="button"
    value="4"
    onclick="display('4')"
    class="buttonstyle"
  <input</pre>
    type="button"
    value="5"
    onclick="display('5')"
    class="buttonstyle"
  <input</pre>
    type="button"
    value="6"
    onclick="display('6')"
    class="buttonstyle"
  <input</pre>
    type="button"
    value="-"
    onclick="display('-')"
    class="symbol"
</div>
<div>
  <input</pre>
    type="button"
    value="1"
    onclick="display('1')"
    class="buttonstyle"
```

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

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;
```

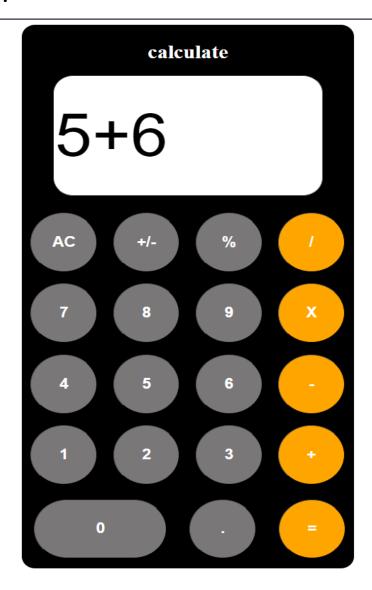
```
.symbol{
    background: orange;
    border-radius: 50%;
    justify-items: center;
    align-items: center;
    height: 100px;
    width: 100px;
    margin: 10px;
    font-size: x-large;
    font-weight: 600;
    color: white;
.body{
    display: flex;
    flex-direction: column;
    justify-content: 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;
```

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

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:

```
<!DOCTYPE html>
<html lang="en">
   <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>
 <body class="body">
   <div class="container">
     <div id="divId"></div>
     <div class="input-container">
       <input</pre>
         id="msgId"
         type="text"
         placeholder="write message here"
         class="inputmsg"
       <input</pre>
         id="btnId"
         type="button"
         value="Send message"
         onclick="addnewmsg(false)"
       <input</pre>
         id="btnId"
         type="button"
         value="Reply message"
         onclick="addnewmsg(true)"
     </div>
   </div>
 </body>
```

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:

```
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:



Q.3. Create Registration page using Bootstrap or CSS

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+nJ0Z"
      crossorigin="anonymous"
  </head>
  <body>
      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</pre>
          class="form-control form-control-lg mt-2"
          type="text"
          placeholder="Enter username"
        <input</pre>
          type="password"
          class="form-control form-control-lg mt-2"
          placeholder="Enter password"
        <input</pre>
          type="text"
          class="form-control form-control-lg mt-2"
          placeholder="Enter Email"
        <input</pre>
          type="button"
          value="Register"
          class="btn btn-primary mt-2 w-50"
    </div>
  </body></html>
```

OUTPUT:

